

NO-A164 433

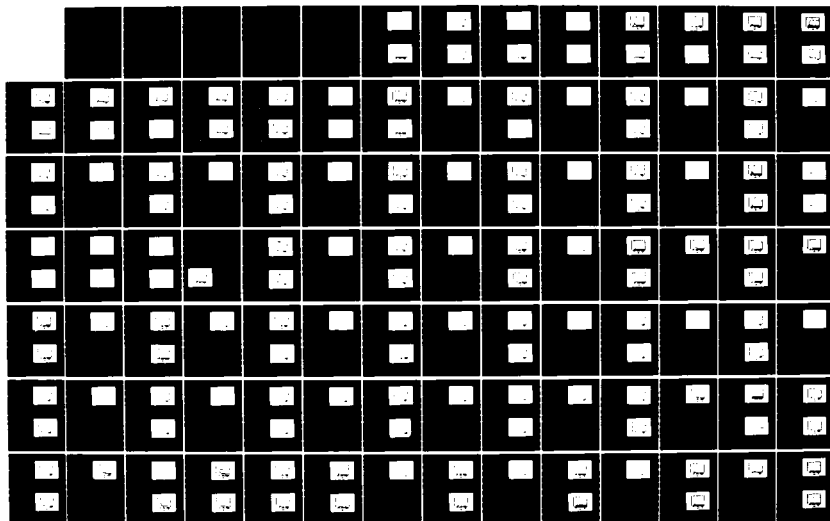
ELECTROMAGNETIC PULSE/TRANSIENT THREAT TESTING OF  
PROTECTION DEVICES FOR. (U) ELECTROSPACE SYSTEMS INC  
ARLINGTON VA D BOOSON ET AL. 31 OCT 85

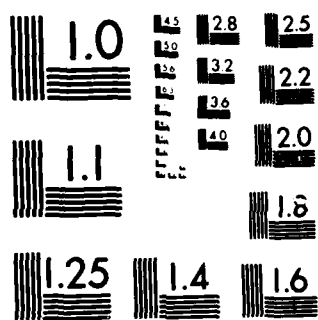
1/3

UNCLASSIFIED

NCS-T18-85-10-VOL-3-SEC-2 DCA100-85-C-0010 F/G 20/14

NL

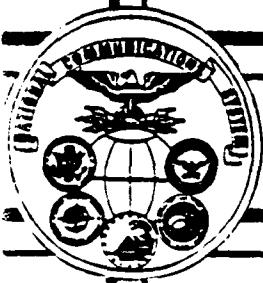




MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A

2

NCS TIB 85-10



# NATIONAL COMMUNICATIONS SYSTEM

VOLUME III

TEST DATA

ELECTROMAGNETIC PULSE TESTING  
OF PROTECTION DEVICES

SECTION 2

HIGH IMPEDANCE/HIGH VOLTAGE  
TEST

50 OHMS - 4500 VOLTS

AD-A164 433

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OCTOBER 1985

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SEP 19 1986  
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AD A164 433

2

## REPORT DOCUMENTATION PAGE

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2a SECURITY CLASSIFICATION AUTHORITY			3 DISTRIBUTION AVAILABILITY OF REPORT Approved for public release distribution unlimited		
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6c ADDRESS (City, State, and ZIP Code) 1725 S. Jefferson Davis Hwy., Suite 501 Arlington, VA 22202-0668			7b ADDRESS (City, State, and ZIP Code) Washington, D.C. 20305-2010		
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11 TITLE (Include Security Classification) <i>Volume III</i> Electromagnetic Pulse Transient Threat Testing of Protection Devices for Amateur Military Affiliate Radio System Equipment (U) <i>Section 2, High-Frequency/High Voltage Test 50 OHMS 4500 Volts</i>					
12 PERSONAL AUTHOR(S) Dennis Bodson, NCS; Joseph Frizzell and Thomas Higdon (ESI); Walter Rabke (Consultant)					
13a TYPE OF REPORT Technical		13b TIME COVERED FROM TO		14 DATE OF REPORT (Year, Month, Day) 1985, October, 31	
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FIELD	GROUP	SUB-GROUP	Amateur Radio Equipment EMP, Lightning Protection, Electro- magnetic Pulse (EMP) Protection Devices Test, EMP, Lightning, a Transient Electrical/Magnetic Pulses. <i>4</i>		
19 ABSTRACT (Continue on reverse if necessary and identify by block number)					
<p>This technical report discusses the vulnerability of equipment used by amateur/MARS radio operators in the United States to disruption or damage by transient electromagnetic effects such as lightning, voltage surges, and electromagnetic pulse (EMP) waves. It also reports the results of two test programs; one to evaluate existing transient suppression devices and components, and one to evaluate the response of amateur radio equipment to an EMP transient environment.</p> <p>Based on the test results, the report recommends procedures and a low-cost installation scheme which will significantly increase the operational survivability of amateur type communications equipment in a lightning or EMP environment.</p> <p>This report consists of three volumes. Volume I (200 pages) contains the test results and recommendations for transient protection of amateur radio equipment. Volume II</p>					
20 DISTRIBUTION AVAILABILITY OF ABSTRACT UNCLASSIFIED UNLIMITED <input type="checkbox"/> SAME AS RPT <input type="checkbox"/> DTIC USERS			21 ABSTRACT SECURITY CLASSIFICATION Unclassified		
22a NAME OF RESPONSIBLE INDIVIDUAL Dennis Bodson			22b TELEPHONE (Include Area Code) 202) 692-2124		22c OFFICE SYMBOL NCS/TS



Block 19 Continued - ABSTRACT

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Q15

NCS TECHNICAL INFORMATION BULLETIN 65-10

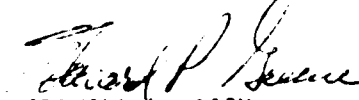
ELECTROMAGNETIC PULSE/TRANSIENT THREAT TESTING OF PROTECTION  
DEVICES FOR AMATEUR/MILITARY AFFILIATE RADIO SYSTEM EQUIPMENT

OCTOBER 1965

PROJECT OFFICER

DENNIS BOBSON  
Senior Electronics Engineer  
Office of Technology  
and Standards

: APPROVED FOR PUBLICATION:

*For*   
MARSHALL L. CAIN  
Assistant Manager  
Office of Technology  
and Standards

FOREWORD

The National Communications System (NCS) is an organization of the Federal government whose membership is comprised of 22 Government entities. Its mission is to assist the President, National Security Council, Office of Science and Technology Policy, and Office of Management and Budget in:

- o The exercise of their wartime and non-wartime emergency functions, and their planning and oversight responsibilities.
- o The coordination of the planning for and provision of National Security/Emergency Preparedness communications for the Federal government under all circumstances including crisis or emergency.

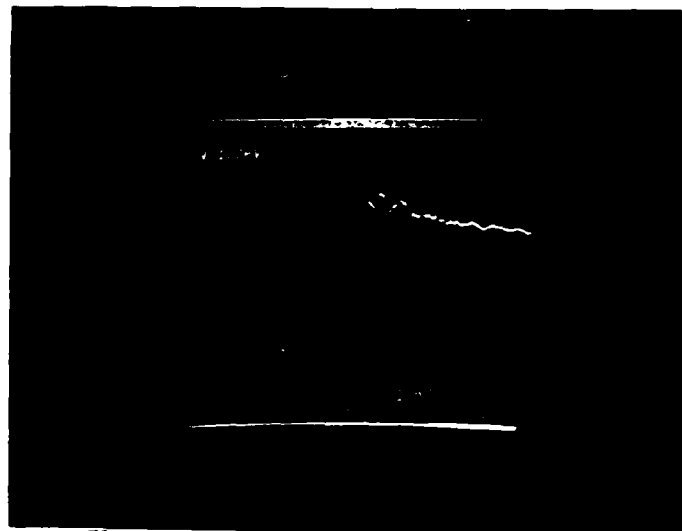
In support of this mission the NCS has executed a Memorandum of Understanding with the American Radio Relay League. Its purpose is to establish a broad framework for a cooperative and close working relationship with volunteer radio amateurs for support of national emergency communications functions. It is intended through joint coordination and exercise of the resources of both organizations, to enhance the nation-wide posture of telecommunications readiness for any conceivable national emergency. This particular Technical Information Bulletin is one of a series aimed at developing an awareness in the radio amateur community of practical, low cost EMP protective procedures, devices, and equipment which may if utilized significantly enhance the probability of amateur radio resources escaping serious damage during emergency situations involving EMP events.

Comments, on this TIB are welcome, and should be addressed to:

Office of the Manager  
National Communications System  
ATTN: NCS-TS  
Washington, DC 20305-2010  
(202) 692-2124

# 50 $\Omega$ INPUT Z - REFERENCE -

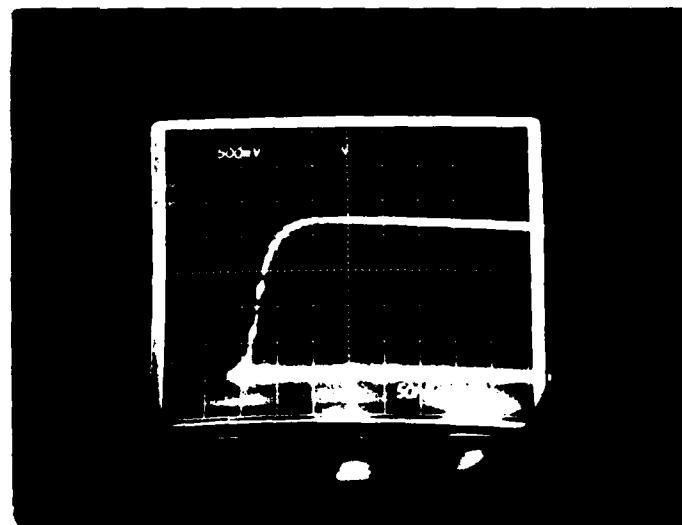
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Test Point	-		
Amplification	dB		
Attenuation	dB		
Horizontal	10	ns/div	1
Vertical	.1V ( )	mV/div	1
Horizontal		ns/div	2
Vertical		ns/div	2
Configuration			
Pulse Level	+4500V		
Data Link			
Comments:			



756

CURRENT PULSE WITH 50  $\Omega$  INPUT Z

Date	6-5-85		
Test Point			
Amplification	dB		
Attenuation	20	dB	
Horizontal	50	ns/div	1
Vertical	.5V (1000)	mV/div	1
Horizontal		ns/div	2
Vertical		ns/div	2
Configuration			
Pulse Level	+4500		
Data Link			
Comments:			

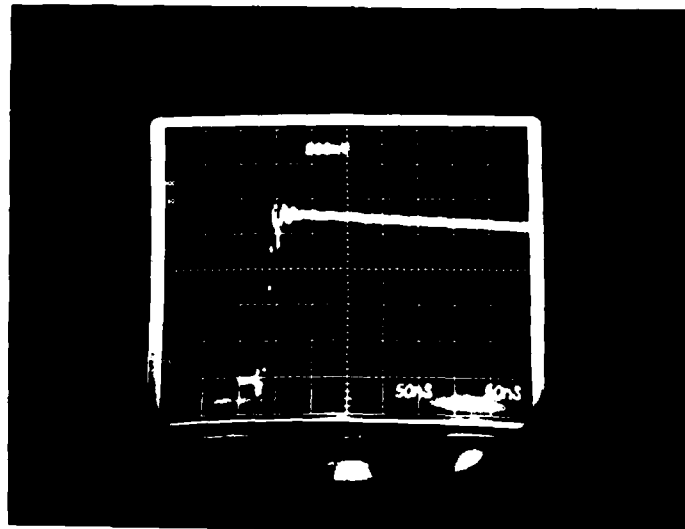


757

REFERENCE  
VOLTAGE WITH 50  $\Omega$  INPUT Z AND 510  $\Omega$  LOAD.

# REFERENCE

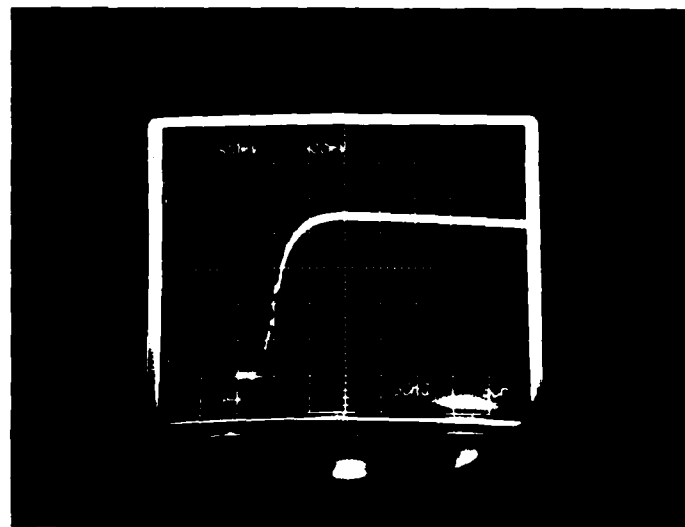
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Test Point	REF - PULSE		
Amplification	dB		
Attenuation	20 dB		
Horizontal	50	ns/div	1
Vertical	.5V (1000V)	mV/div	1
Horizontal		ns/div	2
Vertical		ns/div	2
Configuration			
Pulser Level	+4500V		
Data Link			
Comments:	027		



REFERENCE PULSE WITH OUT - VARISTOR IN  
PICK UP LINE -

50  $\Omega$  INPUT Z

Date	6-7-85		
Test Point	REF - PULSE		
Amplification	dB		
Attenuation	20 dB		
Horizontal	50	ns/div	1
Vertical	.5V (1000V)	mV/div	1
Horizontal		ns/div	2
Vertical		ns/div	2
Configuration			
Pulser Level	+4500V		
Data Link			
Comments:	1025		

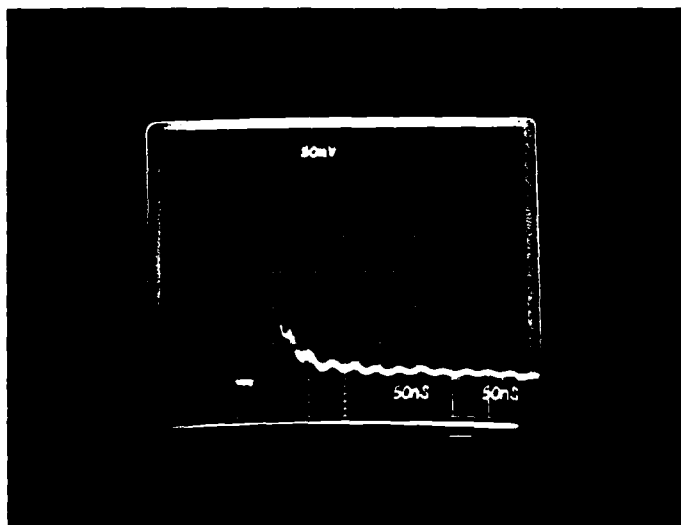


REFERENCE PULSE WITH VARISTOR IN  
PICK-UP LINE -

50  $\Omega$  INPUT Z

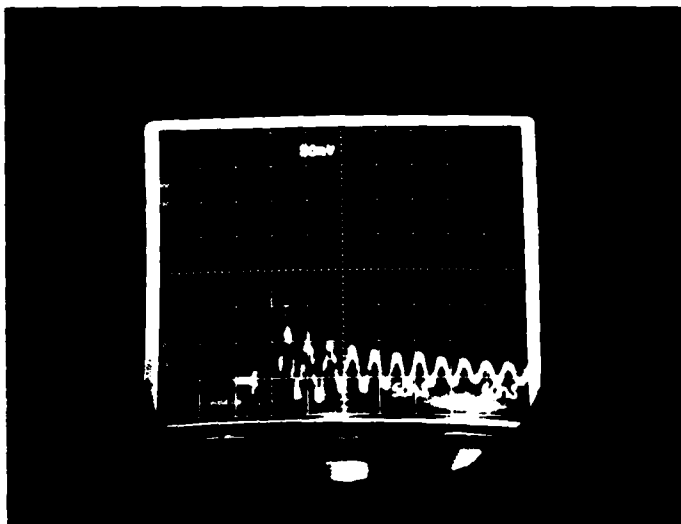
# REFERENCE

Date	6-7-85
Test Point	56-CH-1/10 A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	+ 4500V
Data Link	
Comments:	



WITH VARISTOR IN PICK-UP LINE

Date	6-7-85
Test Point	56-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	+ 4500 V
Data Link	
Comments:	

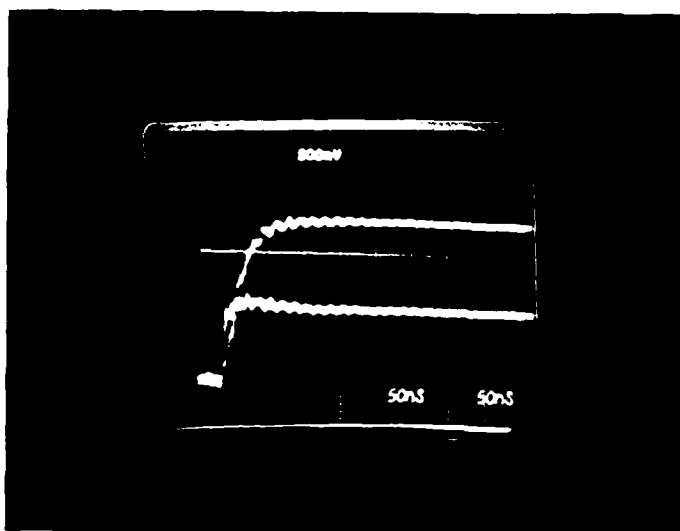


WITHOUT VARISTOR IN PICK-UP LINE.

Date 6-11-85  
 Test Point 1-CH-10- $\phi$   
 Amplification dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V (1000V) mV/div 1  
 Horizontal ns/div 2  
 Vertical ns/div 2  
 Configuration  
 Pulsar Level +4500V  
 Data Link  
 Comments:

1193

DATA @ .1V (200V)

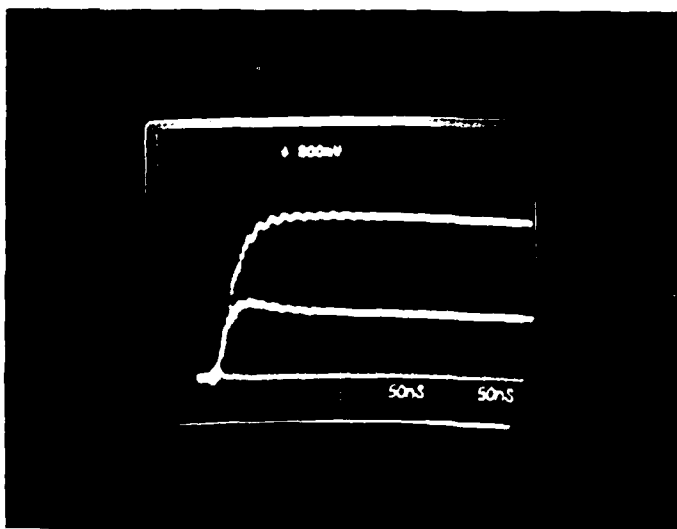


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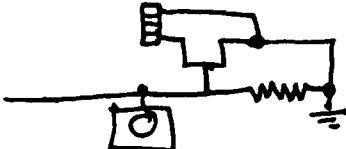
Date 6-11-85  
 Test Point 1R-CH-10- $\phi$   
 Amplification dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V (1000V) mV/div 1  
 Horizontal ns/div 2  
 Vertical ns/div 2  
 Configuration  
 Pulsar Level  
 Data Link  
 Comments:

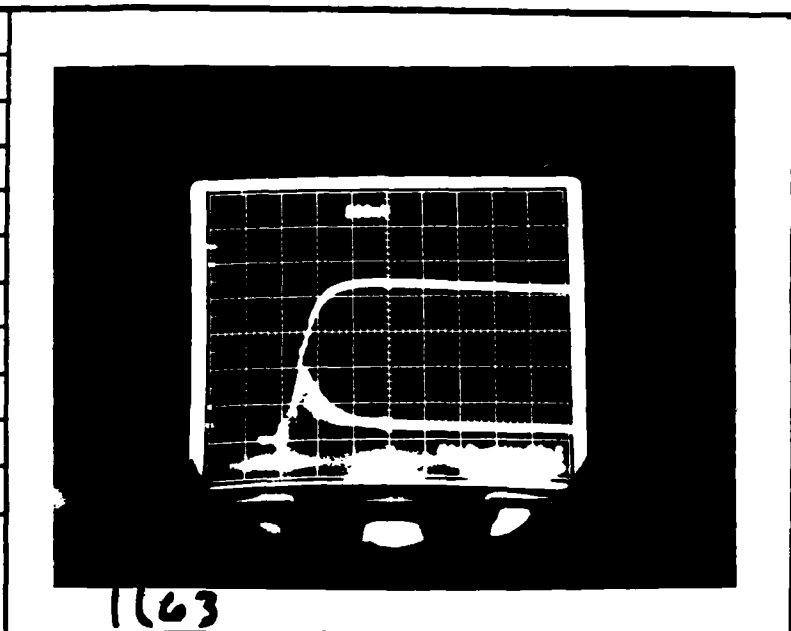
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DATA @ .1V (200V)

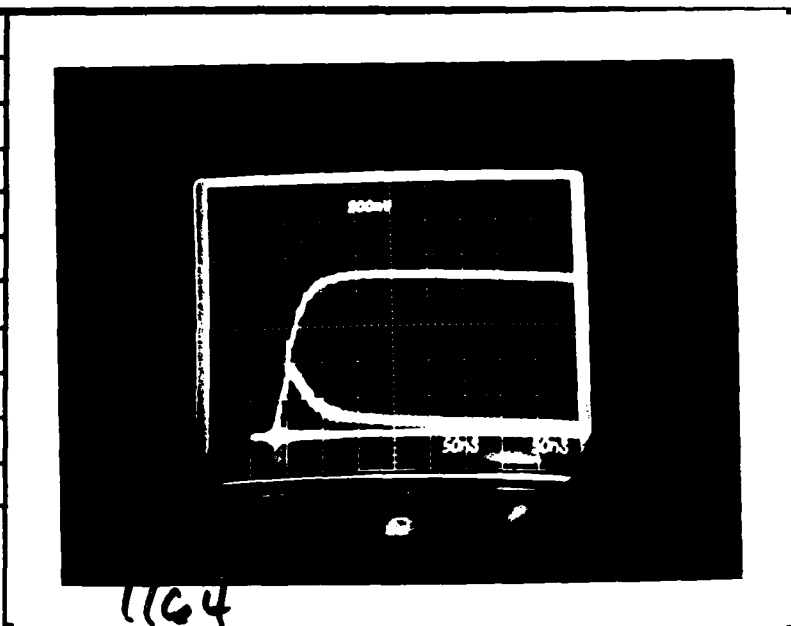


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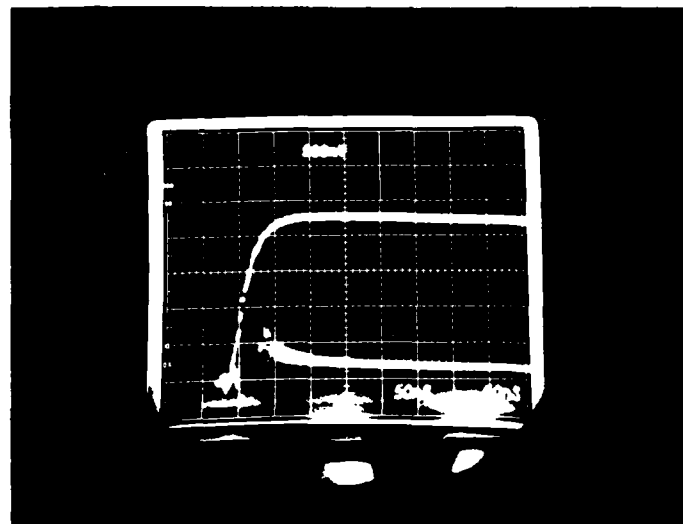
Date	6-10-85
Test Point	2-CH-1/10-0
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	+4500V
Data Link	
Comments:	1163
DATA @ -1V (200V) 100V (100V)	
	



Date	6-10-85
Test Point	2R-CH-1/10-0
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	-4500V
Data Link	
Comments:	1164
DATA @ 101 (200) 100V (100V)	
	



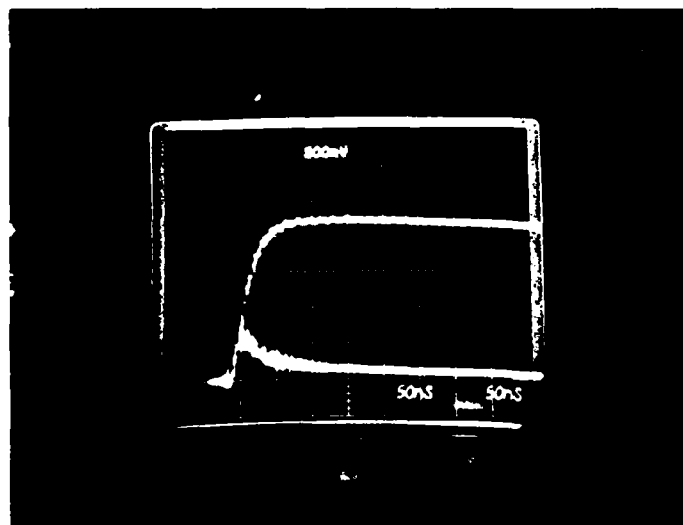
Date	6-10-85
Test Point	3-CH-1/10-Ø
Amplification	dB
Attenuation	20 dB
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Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



1165

DATA @ .1V  
V (200V)

Date	6-10-85
Test Point	3R-CH-1/10-Ø
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	

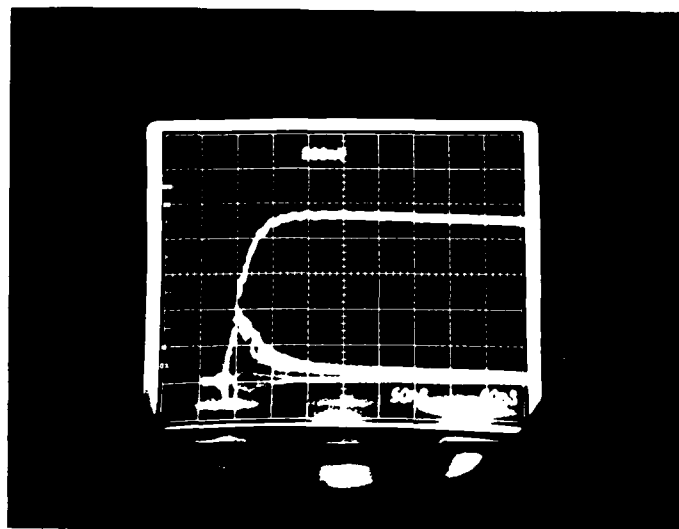


1166

DATA @  
.1V (200V)



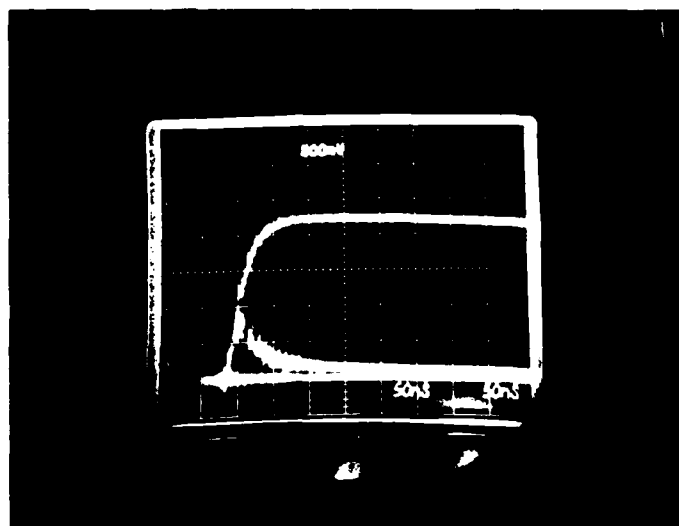
Date	6-10-85
Test Point	4-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



K67

DATA @ .1V (200V)

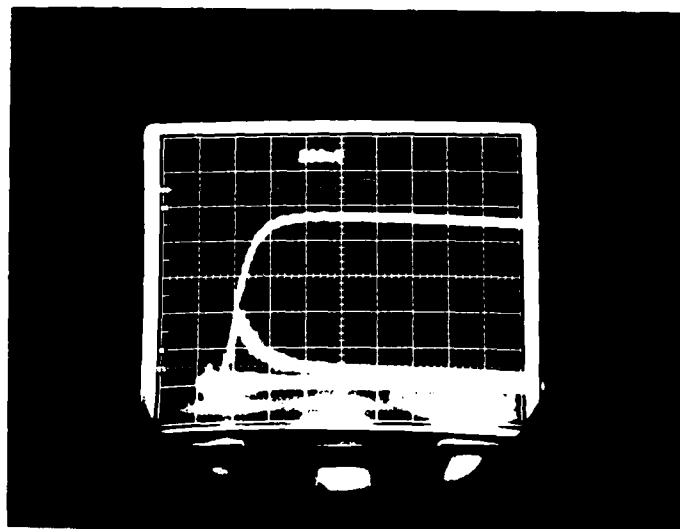
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Test Point	4R-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



K68

DATA @ .1V (200V)

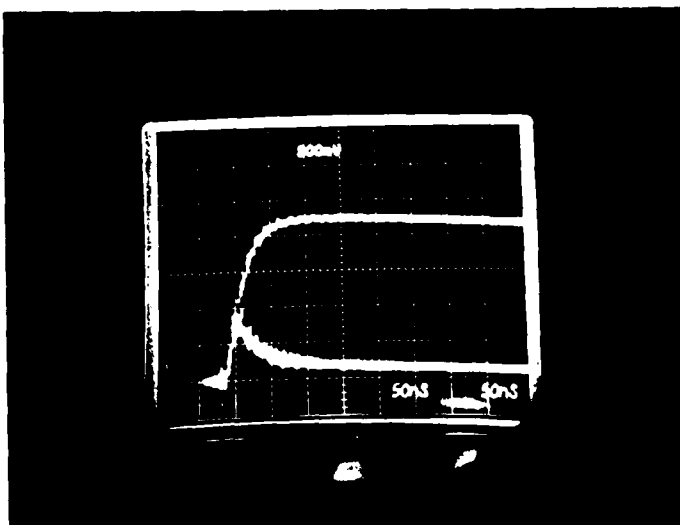
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Test Point	4-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	+4500V
Data Link	
Comments:	



1169

DATA @ .1V  
1.5V (200V)

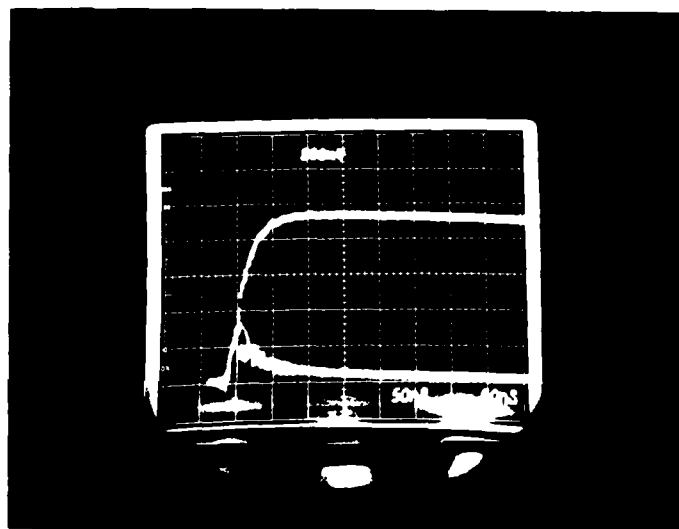
Date	6-10-85
Test Point	4R-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	-4500V
Data Link	
Comments:	



1170

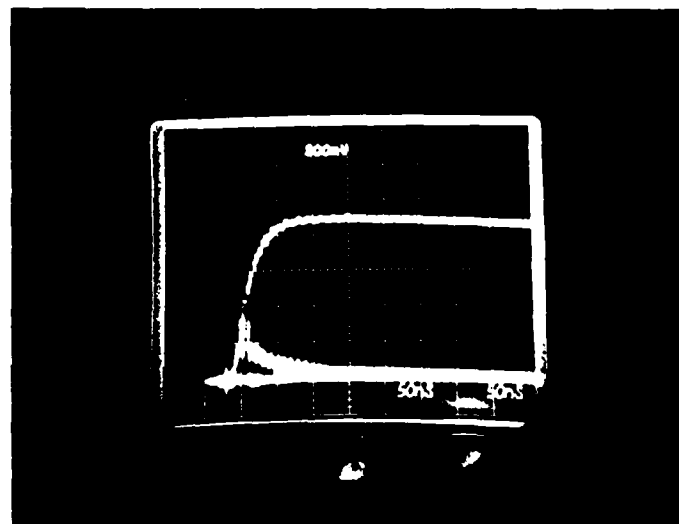
DATA @ .1V  
1.5V (200V)

Date 6-10-85  
 Test Point S-CH-1/10-A  
 Amplification dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V (1000V) mV/div 1  
 Horizontal ns/div 2  
 Vertical ns/div 2  
 Configuration  
 Pulsar Level +4500V  
 Data Link  
 Comments:



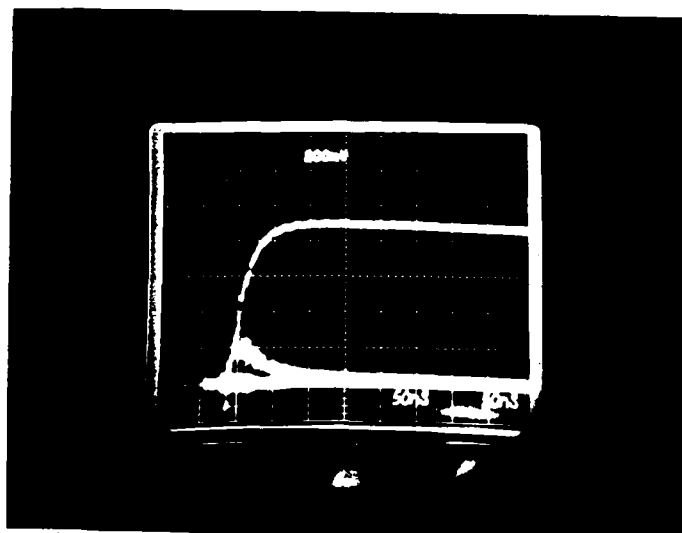
DATA @ .1V ~~100V~~ (200V)

Date 6-10-85  
 Test Point 5R-CH-1/10-A  
 Amplification dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V (1000V) mV/div 1  
 Horizontal ns/div 2  
 Vertical ns/div 2  
 Configuration  
 Pulsar Level -4500V  
 Data Link  
 Comments:



DATA @ .1V ~~100V~~ (200V)

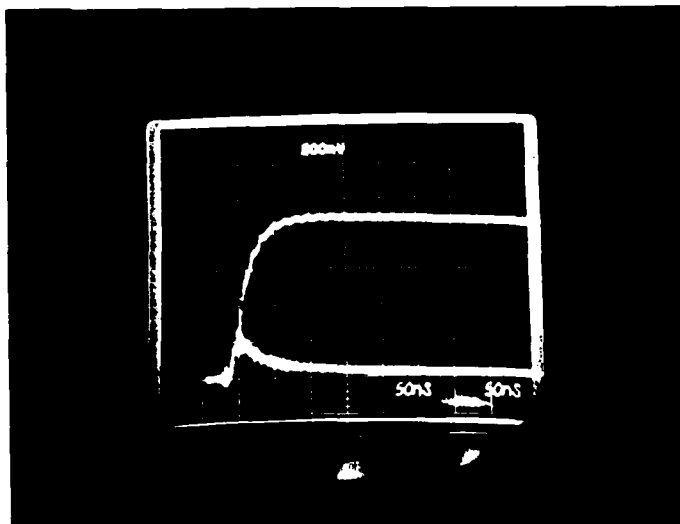
Date	6-10-85
Test Point	5-CH-Y10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



1173

DATA @ .1V  
~~1.5V~~ (200V)

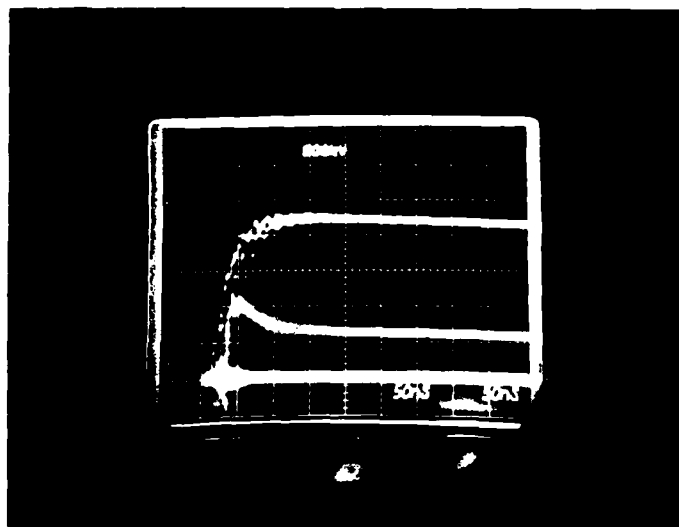
Date	6-10-85
Test Point	SR-CH-Y10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



1174

DATA @ .1V  
~~1.5V~~ (200V)

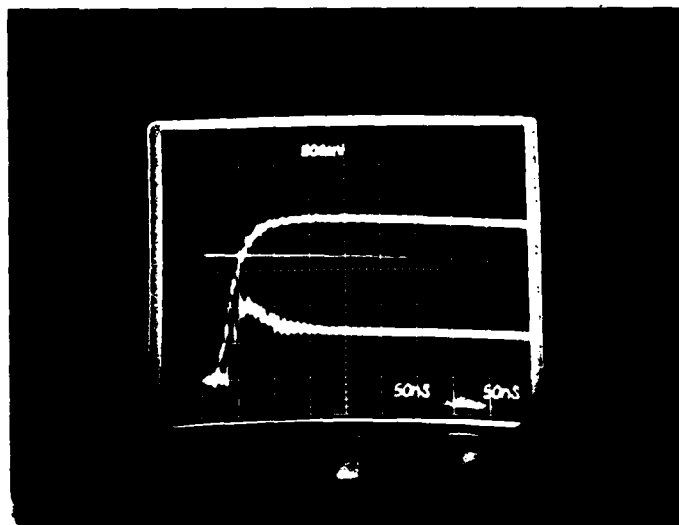
Date	6-10-85
Test Point	6-CH-1/10-φ
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



1189

DATA @ .05V (100V)

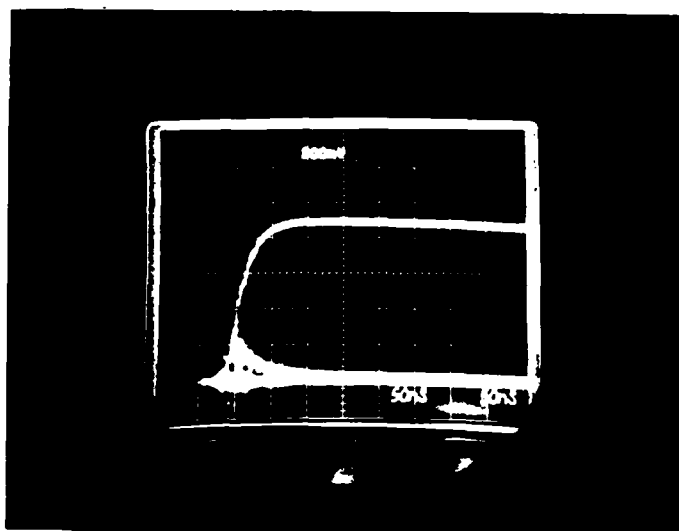
Date	6-10-85
Test Point	6R-CH-1/10-φ
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



1190

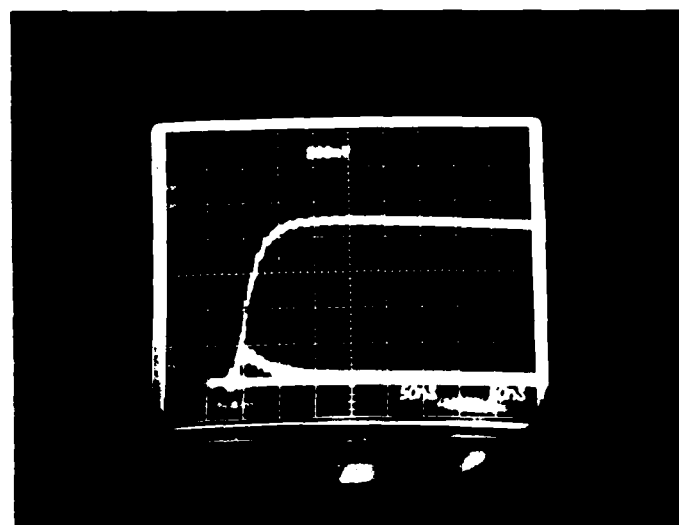
DATA @ .05V (100V)

Date	6-10-85
Test Point	7-CH-Y10-φ
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	1.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	+4500V
Data Link	
Comments:	



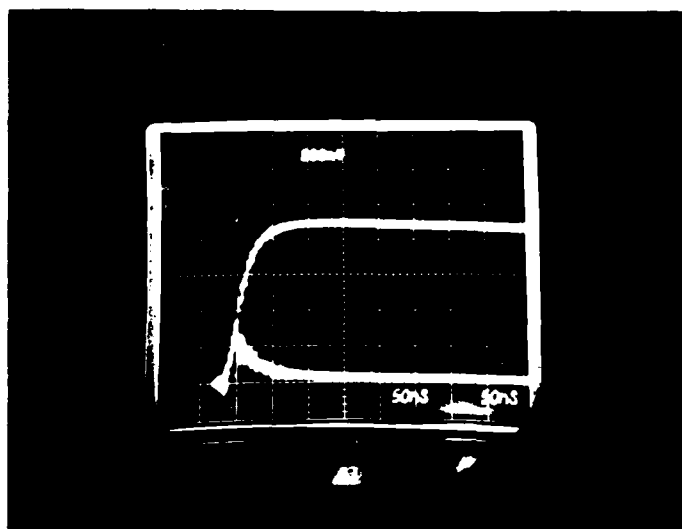
DATA @  $\cdot 1V$  (200V)

Date	6-10-85
Test Point	7R-CH-Y10-φ
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	1.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	
Data Link	
Comments:	



DATA @  $\cdot 1V$  (200V)

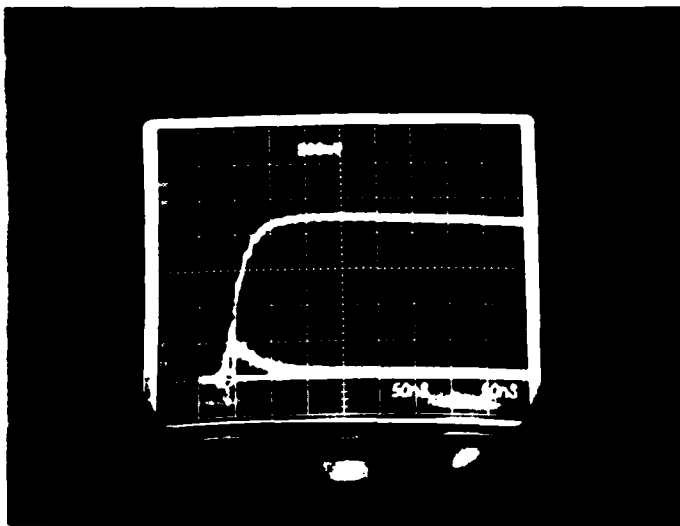
Date	6-10-85
Test Point	8-CH-410-0
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	+4500V
Data Link	
Comments:	



1177

DATA @ .1V (200V)

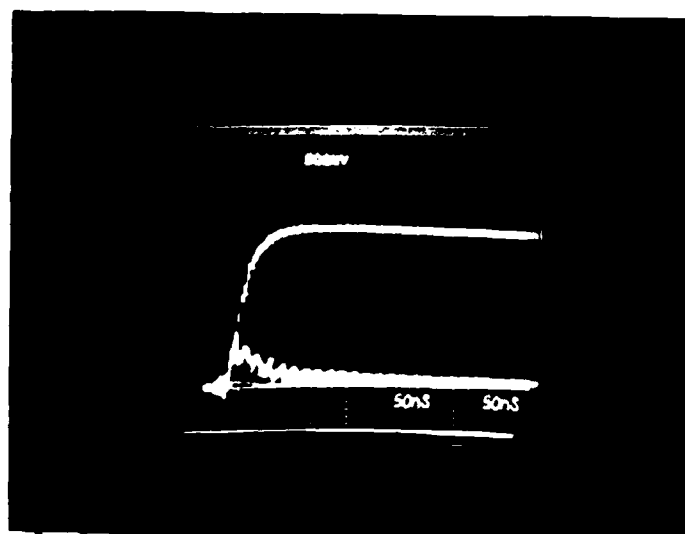
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Attenuation	20 dB
Horizontal	50 ns/div 1
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Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
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Data Link	
Comments:	



1178

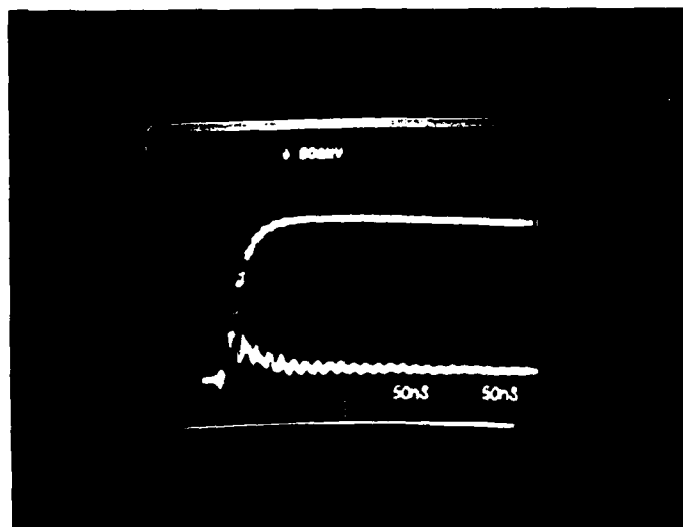
DATA @ .1V (200V)

Date	6-10-85
Test Point	9-CH-110-φ
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	1.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
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Comments:	1171



DATA @ 1.05V (100V)

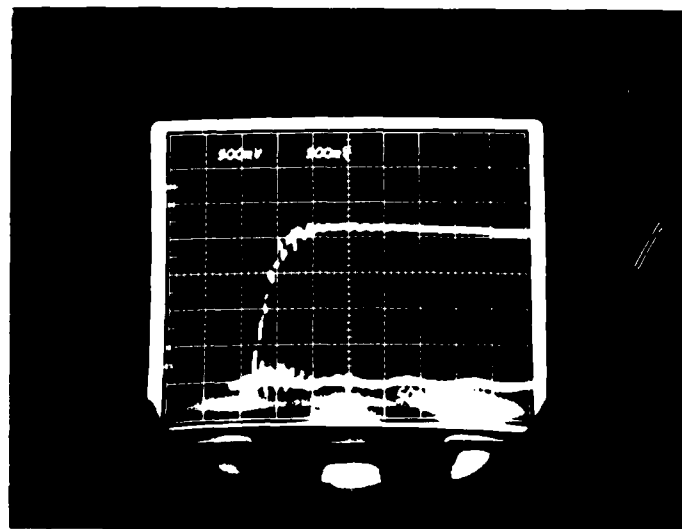
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Attenuation	20 dB
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Vertical	1.5V (1000V) mV/div 1
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Vertical	ns/div 2
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Comments:	1192



DATA @ 1.05V (100V)

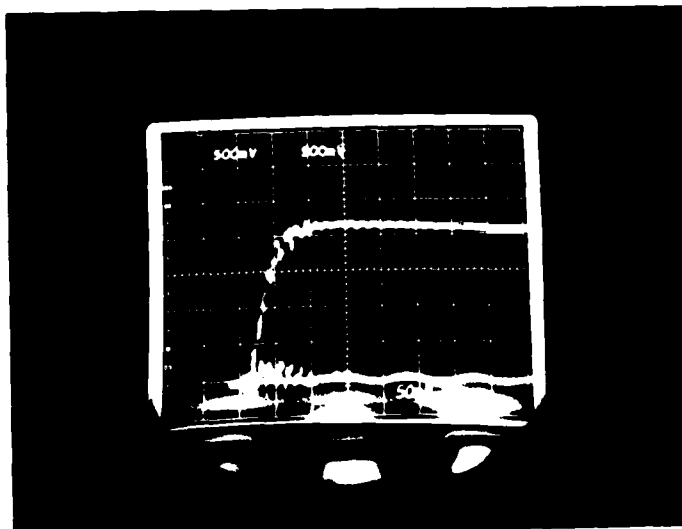


Date 6-5-85  
 Test Point 10 - CH - 1/10 - A  
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 Attenuation 20 dB  
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 Vertical .5V (1000V) mV/div 1  
 Horizontal ns/div 2  
 Vertical ns/div 2  
 Configuration  
 Pulsar Level 4500V  
 Data Link  
 Comments:



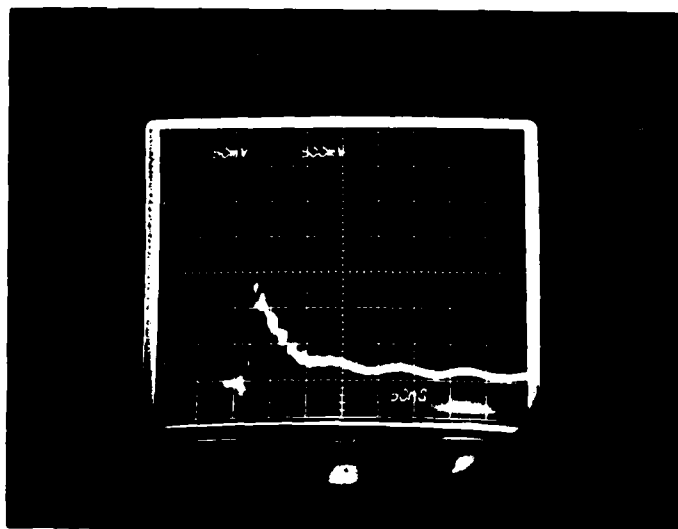
737

Date 6-5-85  
 Test Point 10R - CH - 1/10 - A  
 Amplification dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V (1000V) mV/div 1  
 Horizontal ns/div 2  
 Vertical ns/div 2  
 Configuration  
 Pulsar Level -4500V  
 Data Link  
 Comments:



738

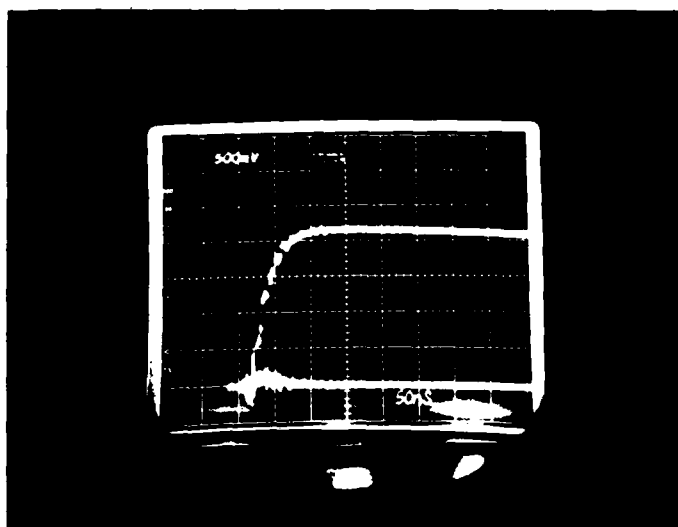
Date	6-5-85
Test Point	10 - CH - 1/10 - A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V(100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	789



Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date	6-5-85
Test Point	10-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	

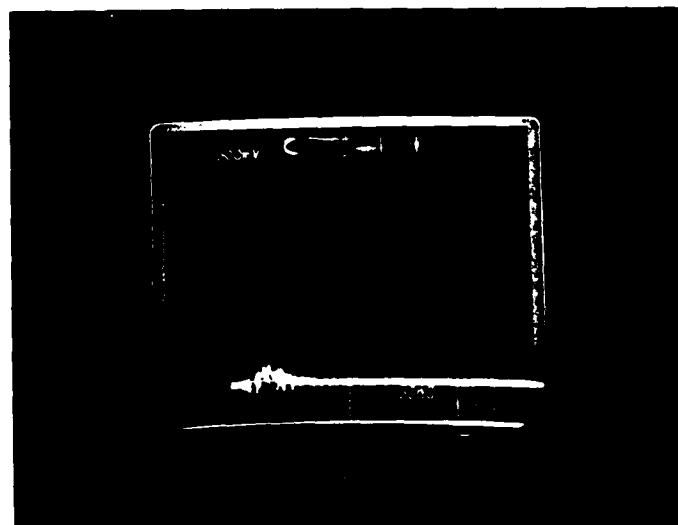
790



790

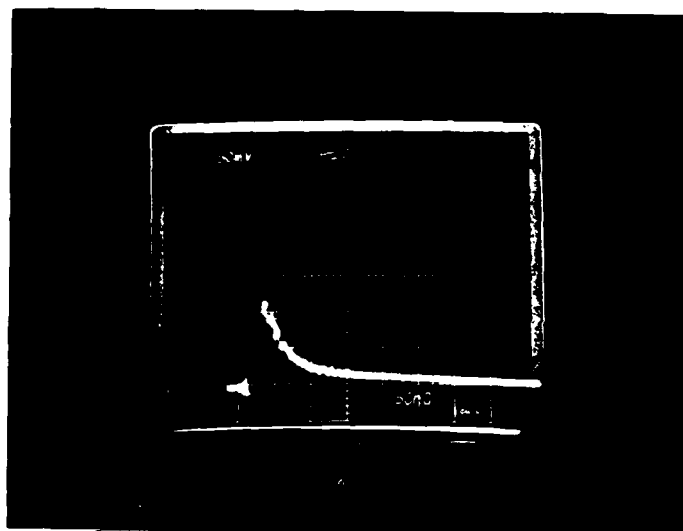
Date	6-5-85
Test Point	10R-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	

791



791

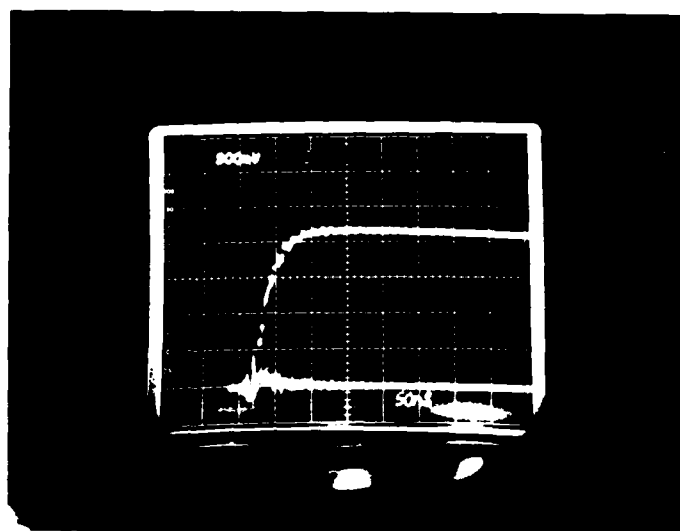
Date	6-5-85
Test Point	10-CH-110-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05 (100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	



792

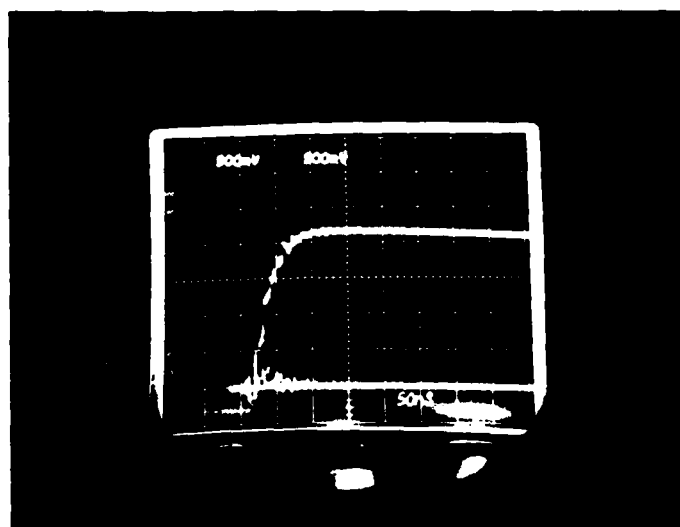
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date **6-5-85**  
 Test Point **10-CH-410-C**  
 Amplification dB  
 Attenuation **20** dB  
 Horizontal **50** ns/div 1  
 Vertical **.5V(1000V)** mV/div 1  
 Horizontal ns/div 2  
 Vertical ns/div 2  
 Configuration  
 Pulsar Level **4500V**  
 Data Link  
 Comments: **773**



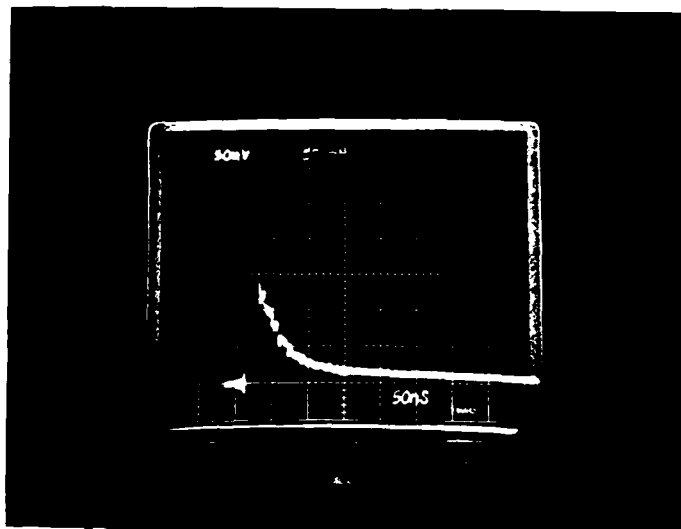
**773**

Date **6-5-85**  
 Test Point **10R-CH-410-C**  
 Amplification dB  
 Attenuation **20** dB  
 Horizontal **50** ns/div 1  
 Vertical **.5V(1000V)** mV/div 1  
 Horizontal ns/div 2  
 Vertical ns/div 2  
 Configuration  
 Pulsar Level **-4500V**  
 Data Link  
 Comments: **774**



**774**

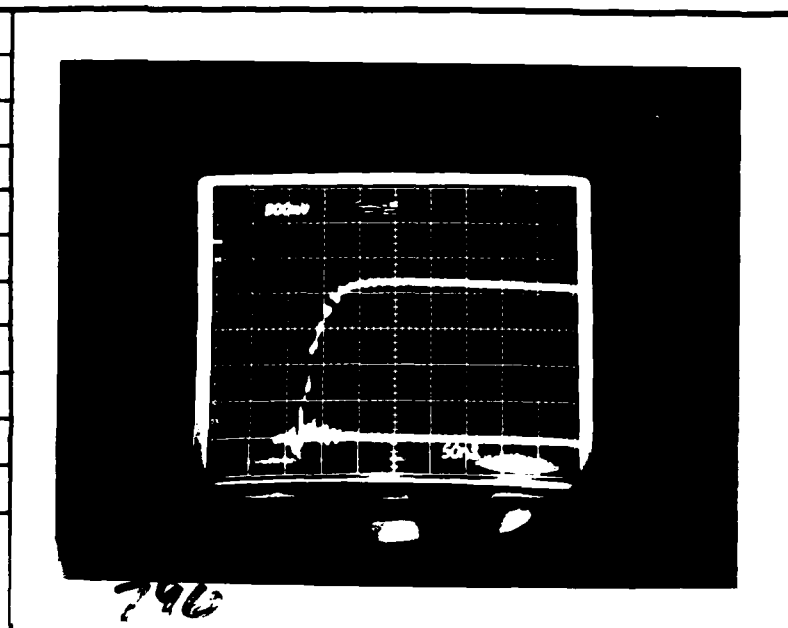
Date	6-5-85
Test Point	10-CH-110-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	4500V
Data Link	
Comments:	795



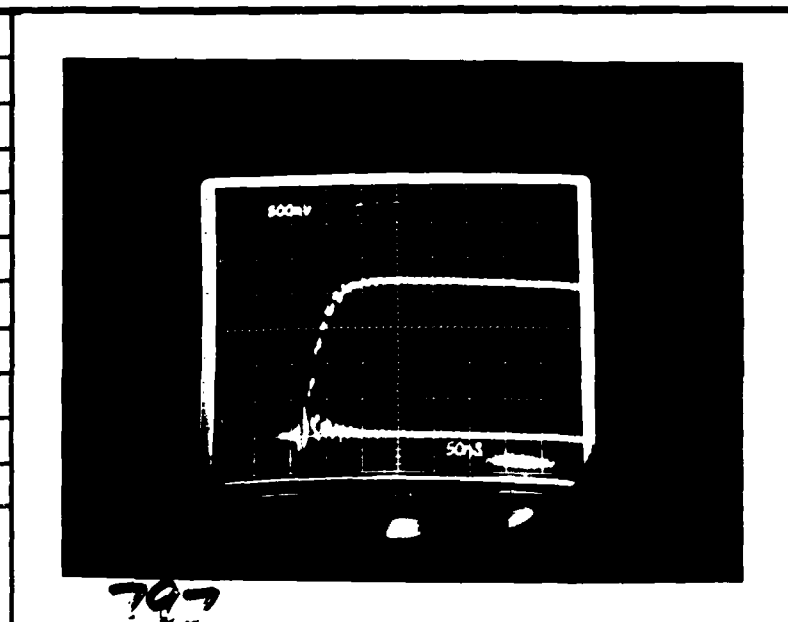
795

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

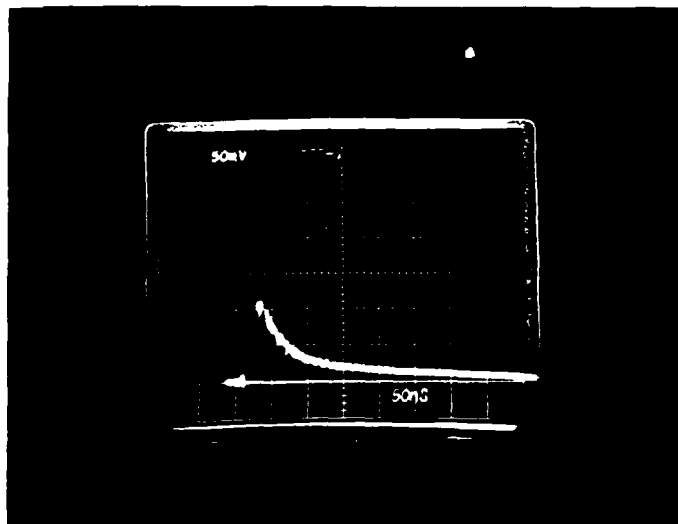
Date	6-5-85
Test Point	10-CH-110-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	



Date	6-5-85
Test Point	10R-CH-110-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	- 4500V
Data Link	
Comments:	???



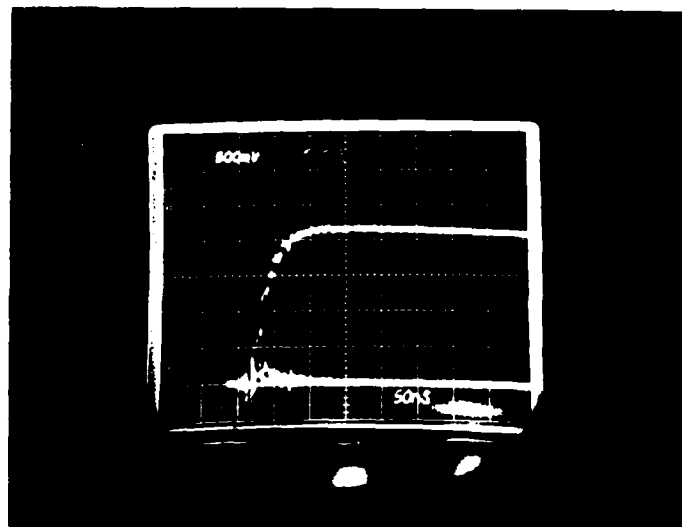
Date	6-5-85	
Test Point	10 - CH - 1/2 - D	
Amplification	dB	
Attenuation	20 dB	
Horizontal	50 ns/div	1
Vertical	0.5V (100V)	mV/div 1
Horizontal	ns/div	2
Vertical	ns/div	2
Configuration		
Pulser Level	4500V	
Data Link		
Comments:	798	



Date		
Test Point		
Amplification	dB	
Attenuation	dB	
Horizontal	ns/div	1
Vertical	mV/div	1
Horizontal	ns/div	2
Vertical	ns/div	2
Configuration		
Pulser Level		
Data Link		
Comments:		

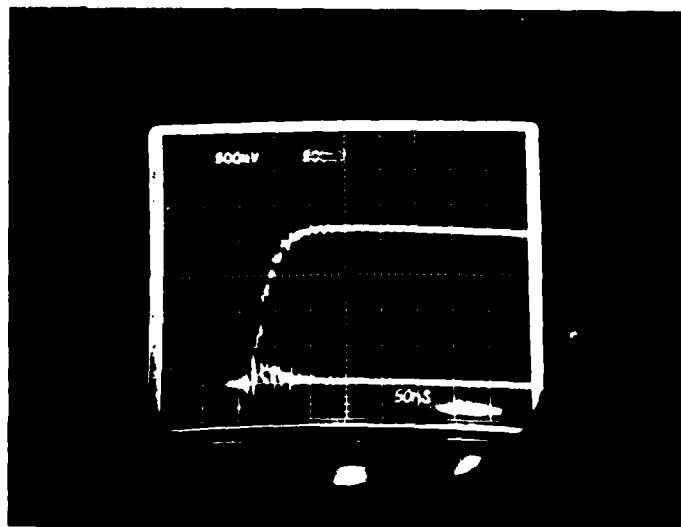


Date	6-5-85
Test Point	10-CH-1/10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level +	4500V
Date Link	
Comments:	799



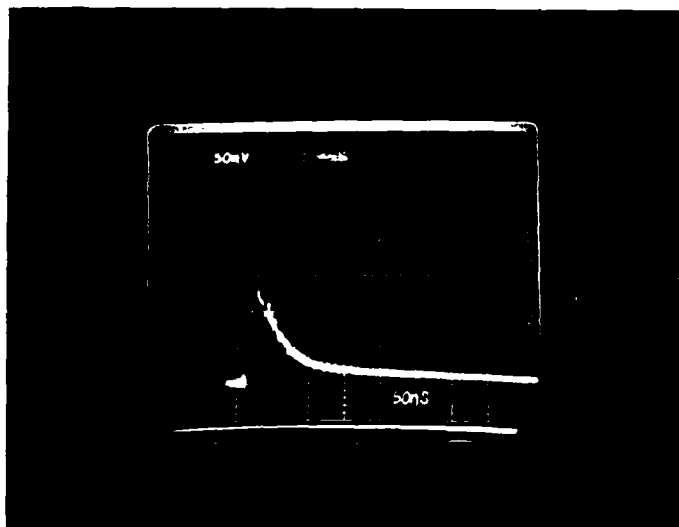
799

Date	6-5-85
Test Point	10R-CH-1/10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level -	4500V
Date Link	
Comments:	800



800

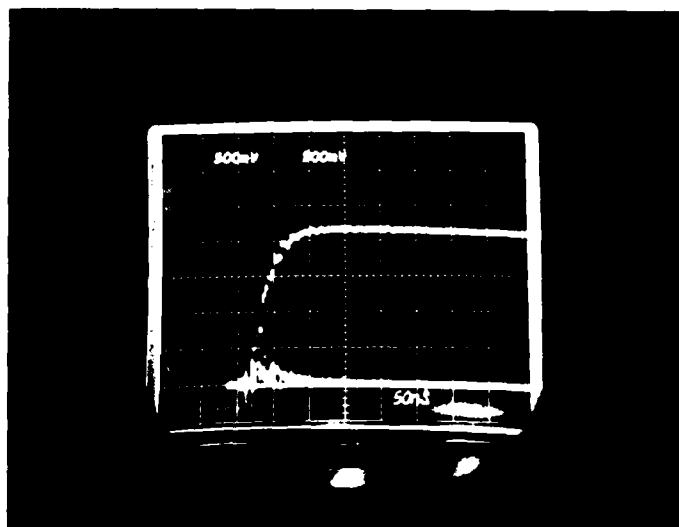
Date	6-5-85
Test Point	10-CH-Y10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	



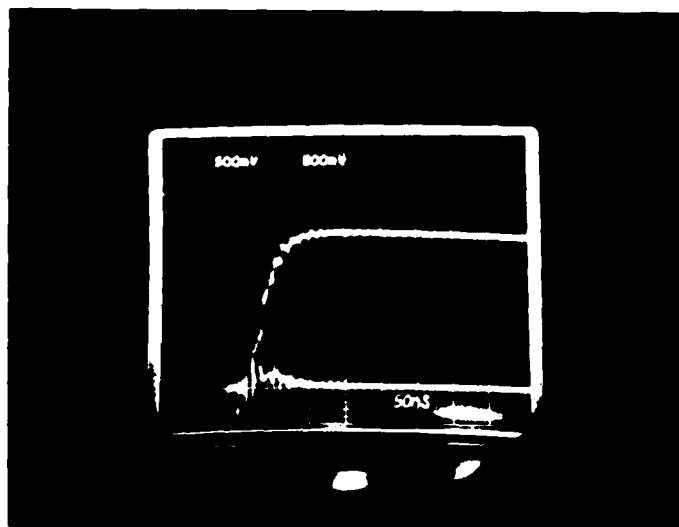
501

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

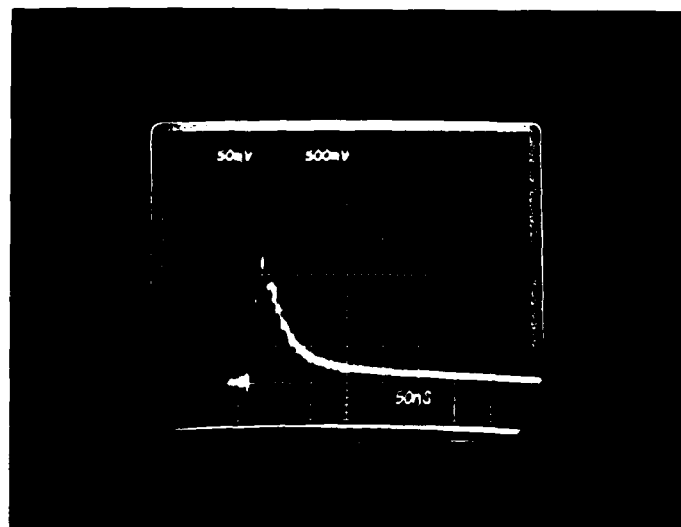
Date	6-5-85
Test Point	11-CH-110-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	4500V
Data Link	
Comments:	202



Date	6-5-85
Test Point	11R-CH-110-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	203

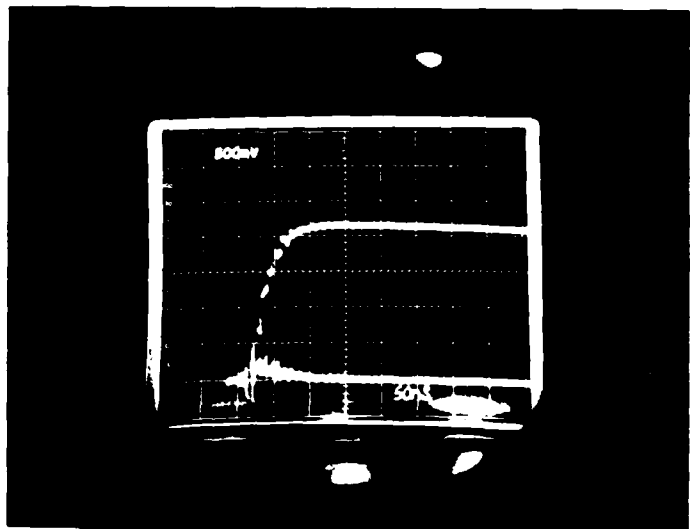


Date	6-5-85
Test Point	11-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	+ 4500V
Data Link	
Comments:	804



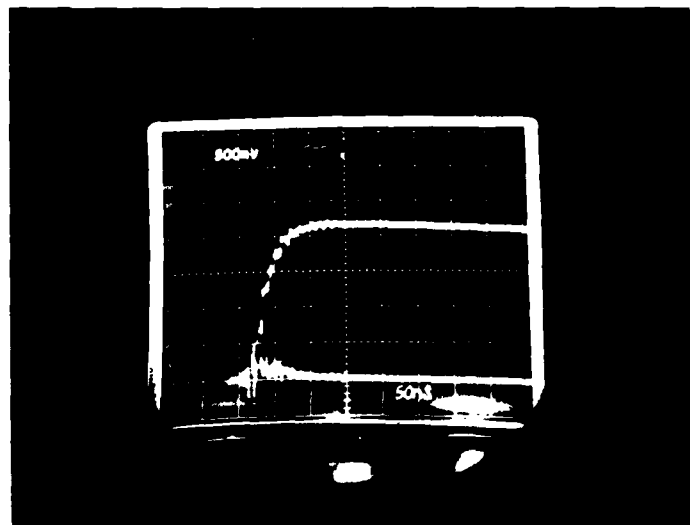
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	
Data Link	
Comments:	

Date	6-5-85
Test Point	11-CH-110-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	15V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	4500V
Data Link	
Comments:	326



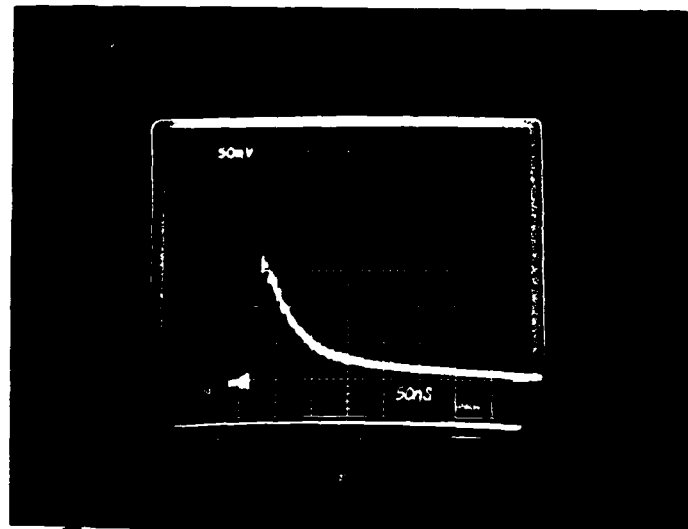
806

Date	6-5-85
Test Point	11R-CH-110-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	15V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	
Data Link	
Comments:	607



807

Date	6-5-85
Test Point	11-CH-'10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05 (100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500V
Date Link	
Comments:	508



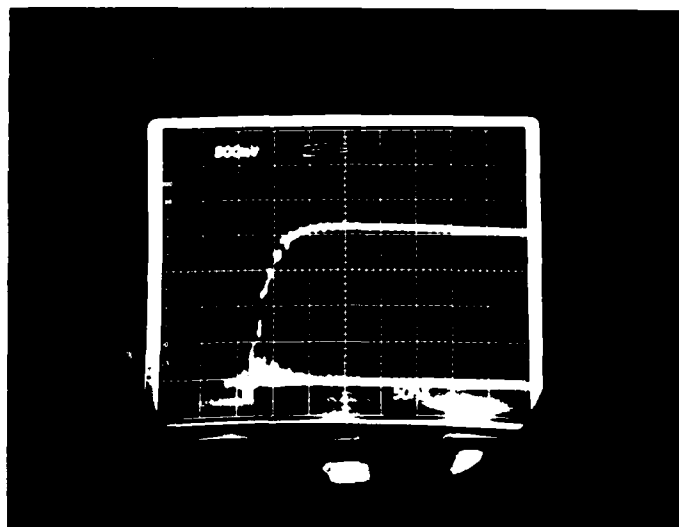
508

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Date Link	
Comments:	

Date	6-5-85
Test Point	11-CH-1/10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	

Comments:

809

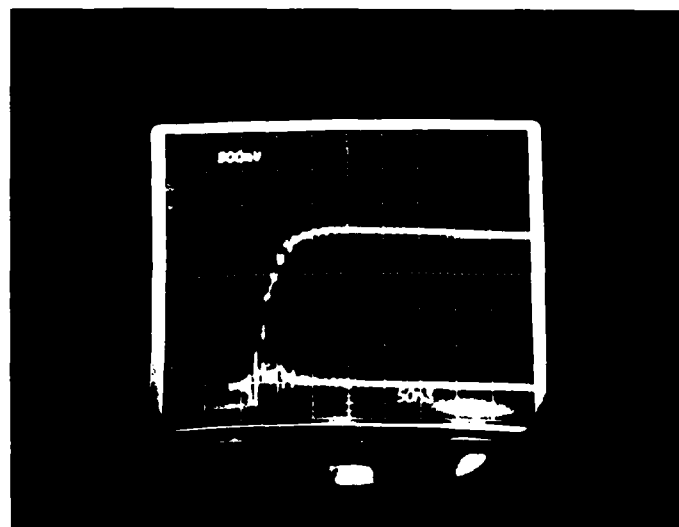


809

Date	6-5-85
Test Point	11R-CH-1/10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	

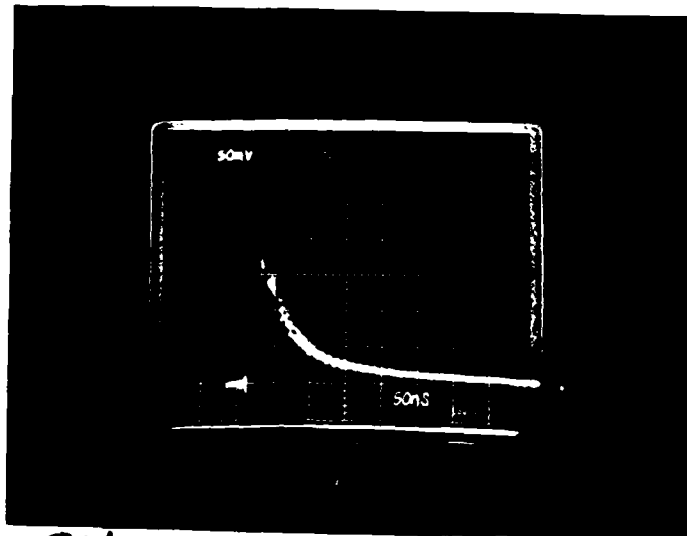
Comments:

810



810

Date	6-5-85
Test Point	11-CH-1/10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	105V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500 V
Data Link	
Comments:	811

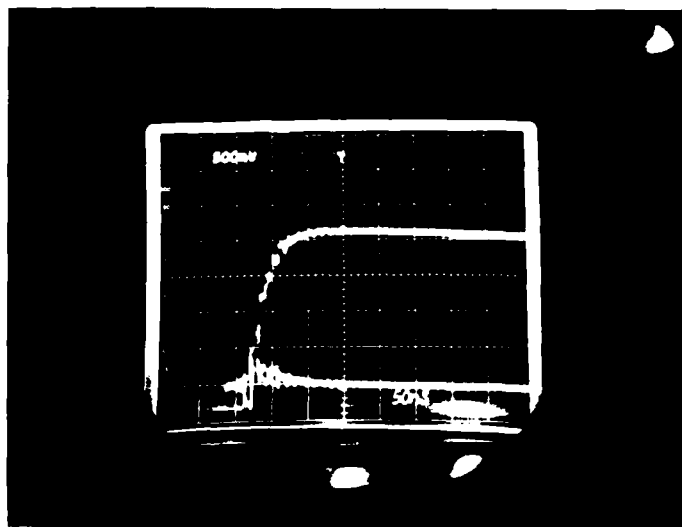


811

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

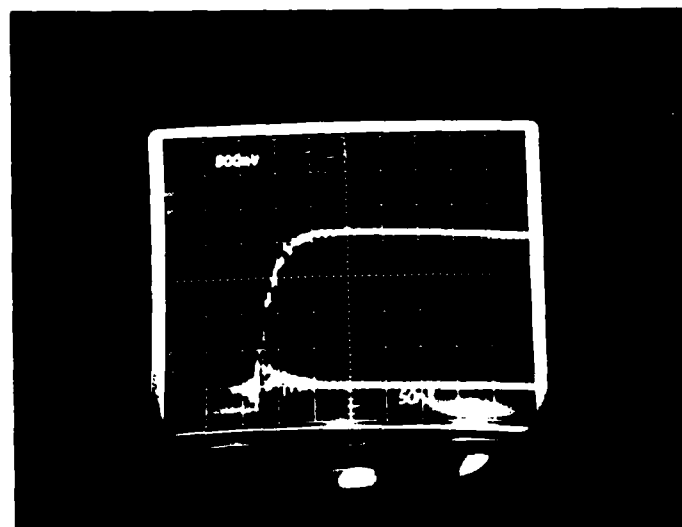


Date 6-5-85  
 Test Point 11-CH-10-D  
 Amplification dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V (1000V) mV/div 1  
 Horizontal ns/div 2  
 Vertical ns/div 2  
 Configuration  
 Pulsar Level + 4500V  
 Data Link  
 Comments: 212



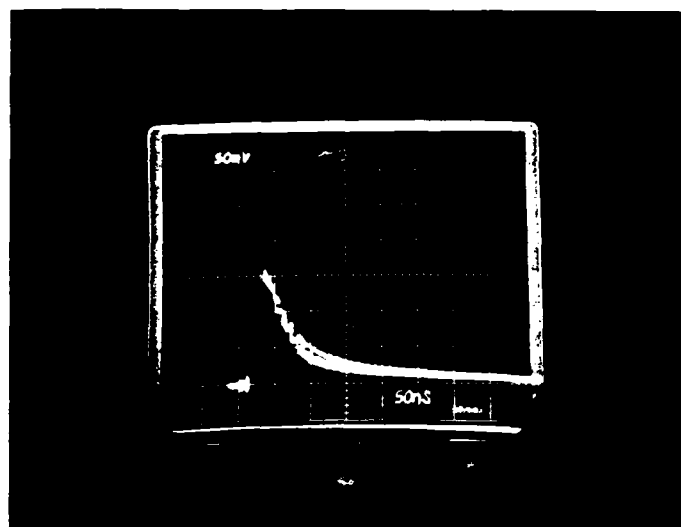
812

Date 6-5-85  
 Test Point 11A-CH-10-D  
 Amplification dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V (1000V) mV/div 1  
 Horizontal ns/div 2  
 Vertical ns/div 2  
 Configuration  
 Pulsar Level + 4500V  
 Data Link  
 Comments: 213



813

Date	6-5-85
Test Point	11-CH-1/10-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05 V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	+ 4500 V
Data Link	
Comments:	

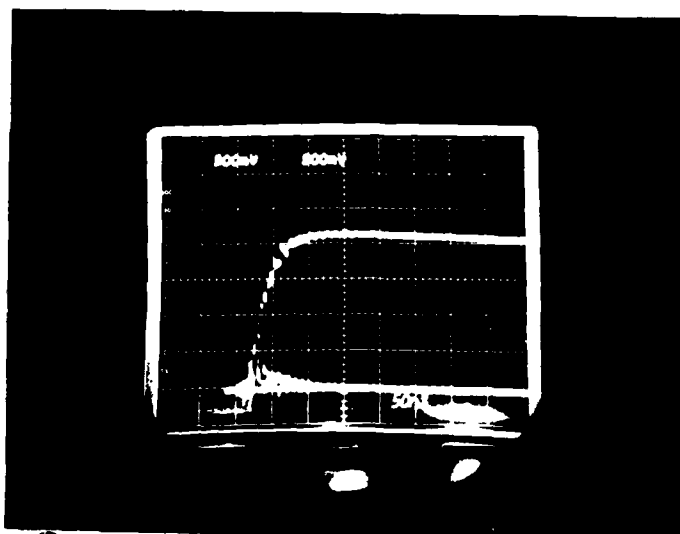


814

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	
Data Link	
Comments:	

Date	6-5-85
Test Point	11-CH-1/10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	

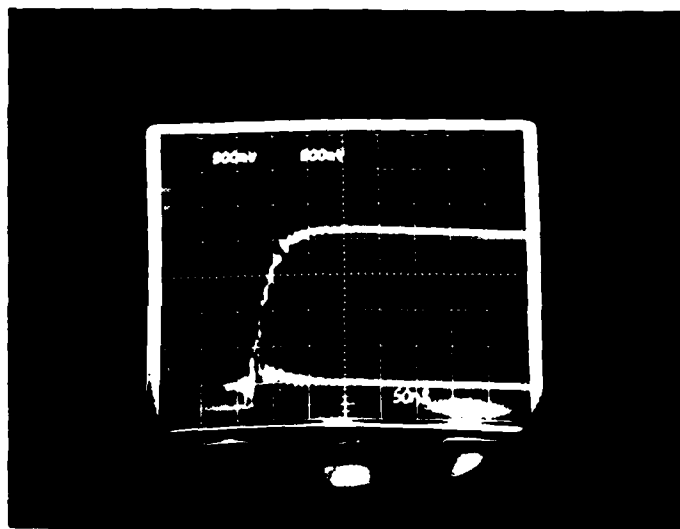
815



815

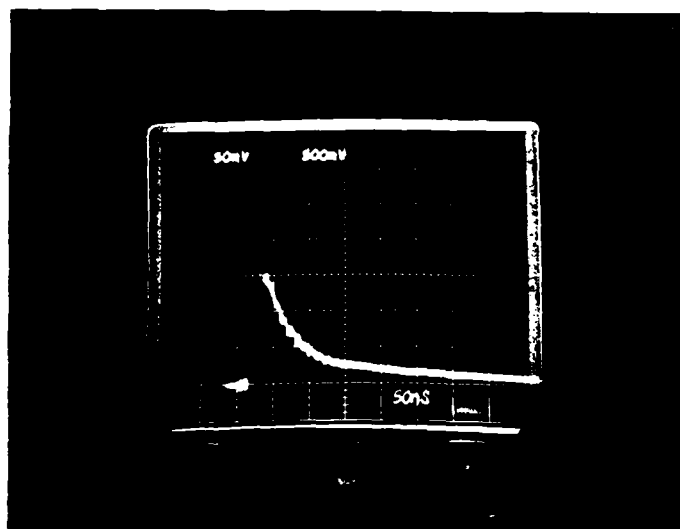
Date	6-5-85
Test Point	11R-CH-1/10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	- 4500 V
Data Link	
Comments:	

816



816

Date	6-5-85
Test Point	11-CH-110-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	4500V
Data Link	
Comments:	



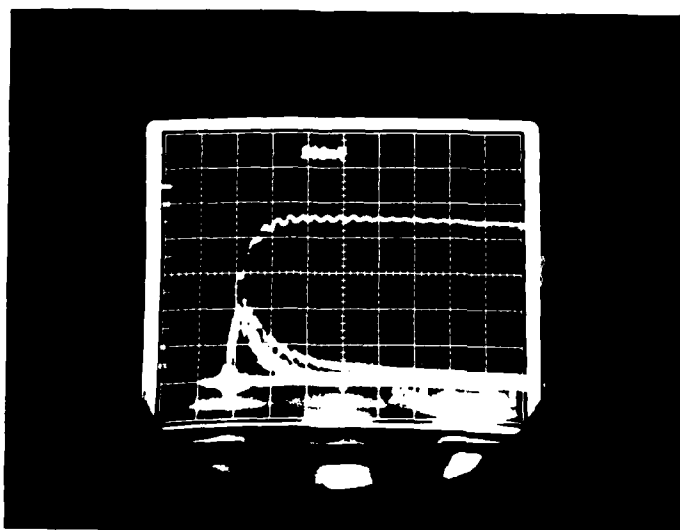
817

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date 6-11-85  
 Test Point 12-CH-1/10-1  
 Amplification dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V(1000V) mV/div 1  
 Horizontal ns/div 2  
 Vertical ns/div 2  
 Configuration  
 Pulsar Level +4500V  
 Data Link

Comments:  
 "COMMON" LEAD

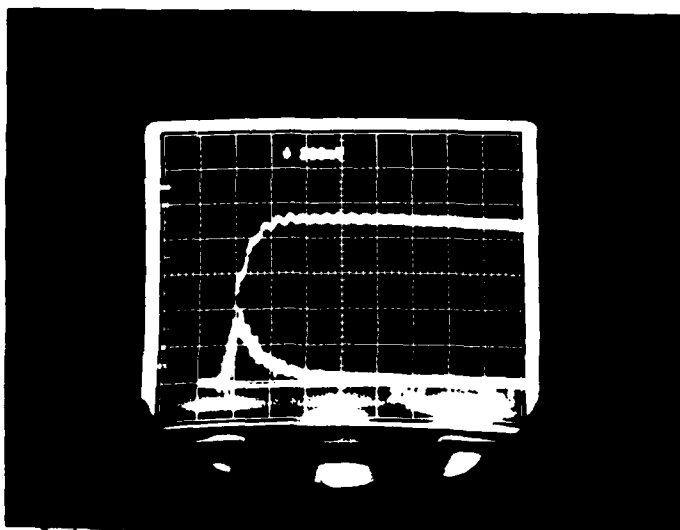
DATA @ .1V(200V)



Date 6-11-85  
 Test Point 12R-CH-1/10-0  
 Amplification dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V(1000V) mV/div 1  
 Horizontal ns/div 2  
 Vertical ns/div 2  
 Configuration  
 Pulsar Level -4500V  
 Data Link

Comments:  
 "COMMON" LEAD

DATA @ .1V(200V)

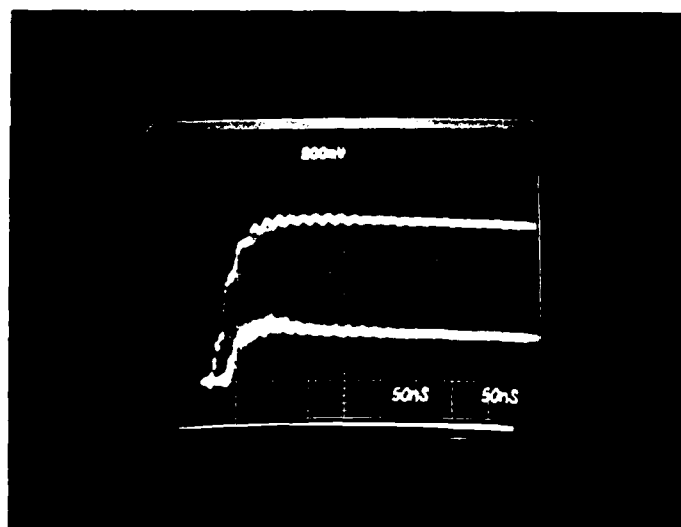


Date	6-11-85
Test Point	12-CH-1/10-Ø
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	

Comments:

"HOT" LEADS

DATA @ .2(400)

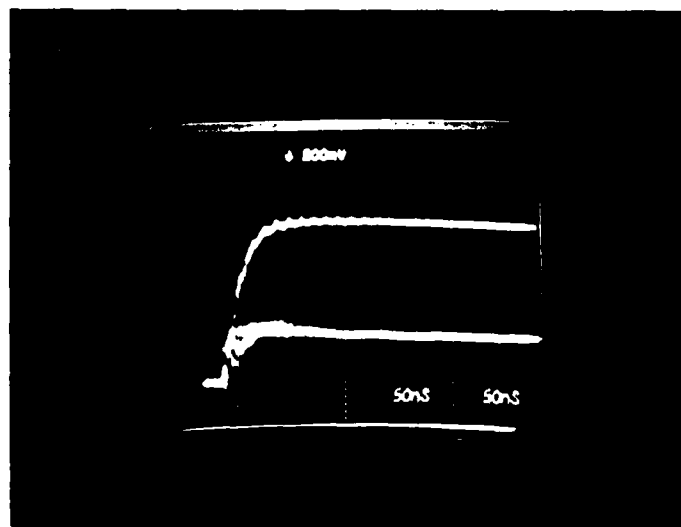


Date	6-11-85
Test Point	12R-CH-1/10-Ø
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	

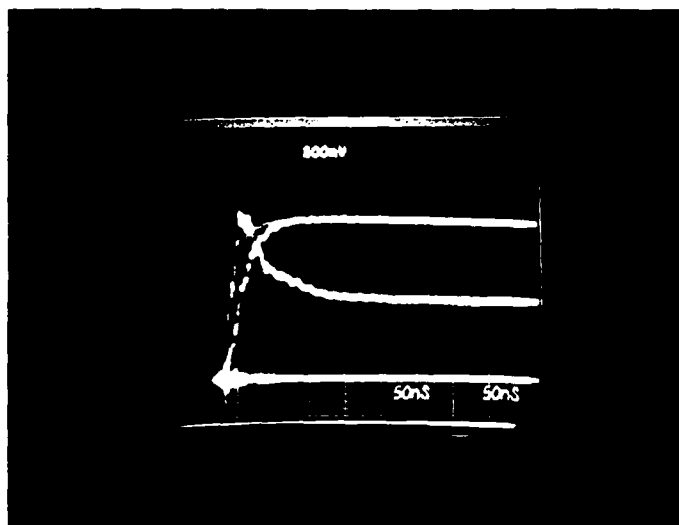
Comments:

"HOT" LEADS

DATA @ .2(400V)

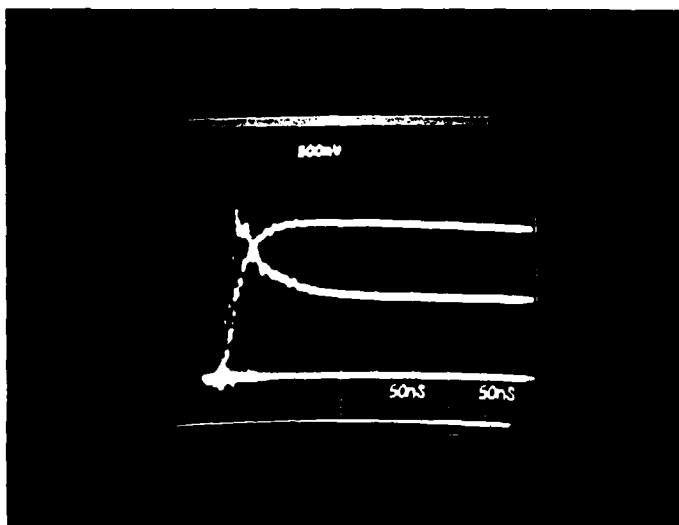


Date	6-11-85
Test Point	13-CH-1/10-0
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	1195



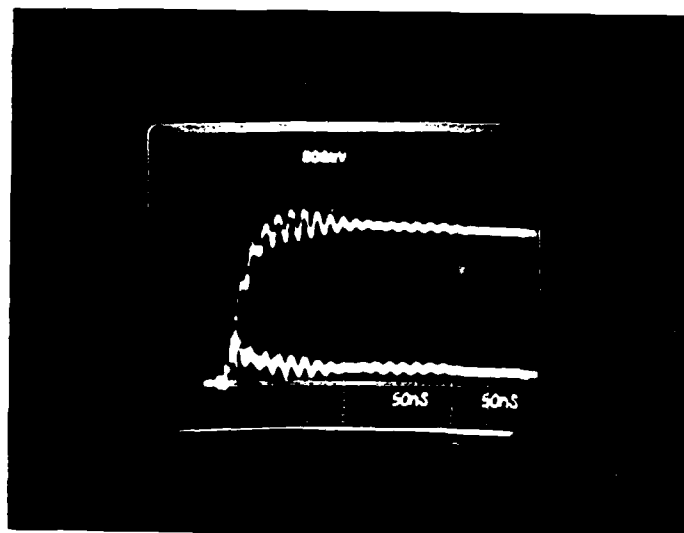
DATA @ .1V (200V)

Date	6-11-85
Test Point	13R-CH-1/10-0
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	1196



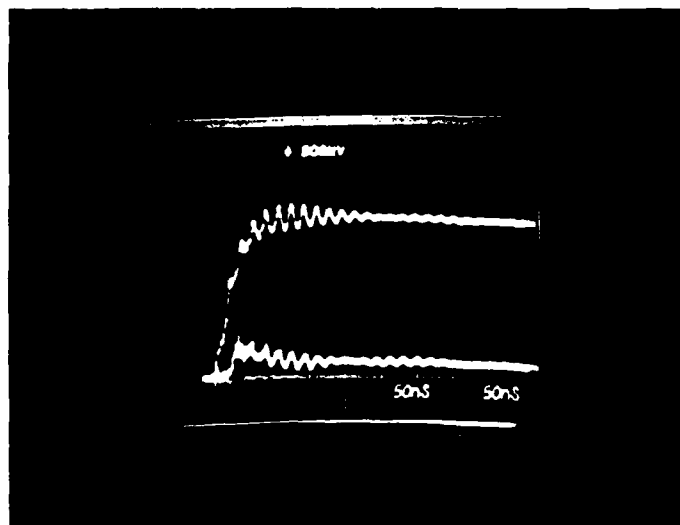
DATA @ .1V (200V)

Date	6-11-85
Test Point	14-CH-1/10-φ
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	LINE #2 SILVER
Pulser Level	+4500V
Data Link	
Comments:	11 2 2



DATA @ .05V (100V)

Date	6-11-85
Test Point	14R-CH-1/10-φ
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	LINE #2 SILVER
Pulser Level	-4500V
Data Link	
Comments:	12 0 0



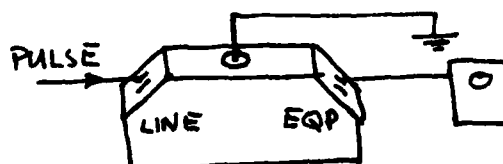
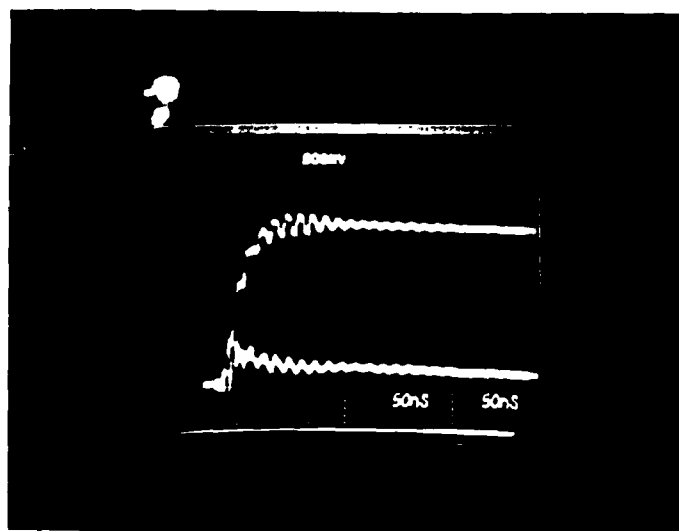
DATA @ .05V (100V)



Date 6-11-85  
 Test Point 14-CH-1/10-φ  
 Amplification dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V(1000V) mV/div 1  
 Horizontal ns/div 2  
 Vertical ns/div 2  
 Configuration LINE #1-BRASS  
 Pulsar Level +4500V  
 Data Link  
 Comments:

1197

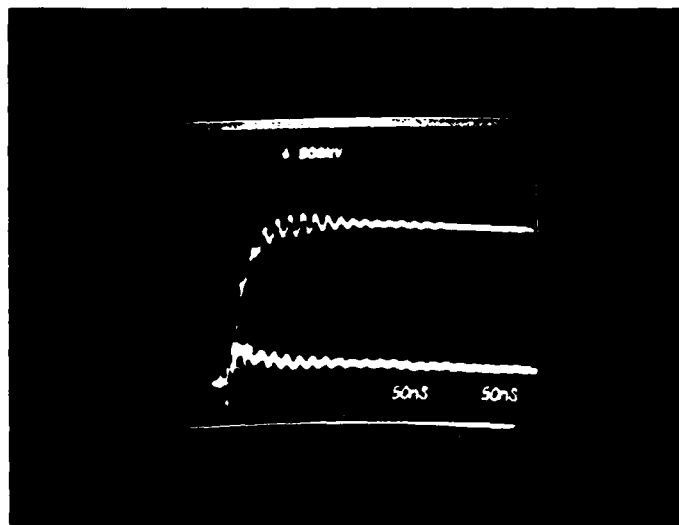
DATA @ .05V(100V)

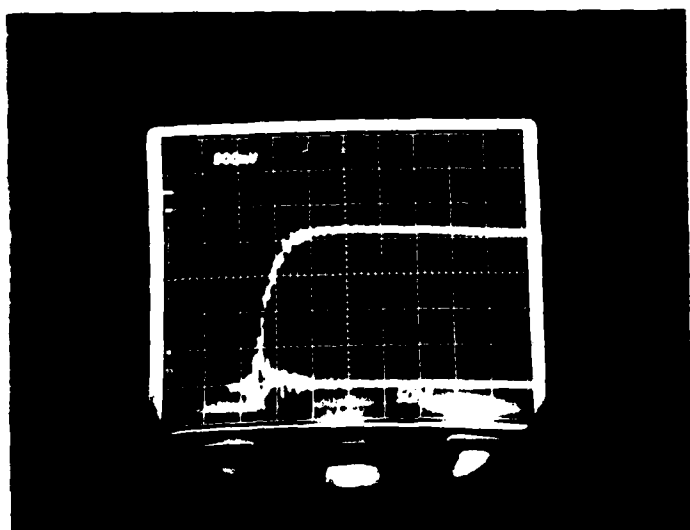


Date 6-11-85  
 Test Point 14R-CH-1/10-φ  
 Amplification dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V(1000V) mV/div 1  
 Horizontal ns/div 2  
 Vertical ns/div 2  
 Configuration LINE #1-BRASS  
 Pulsar Level -4500V  
 Data Link  
 Comments:

1198

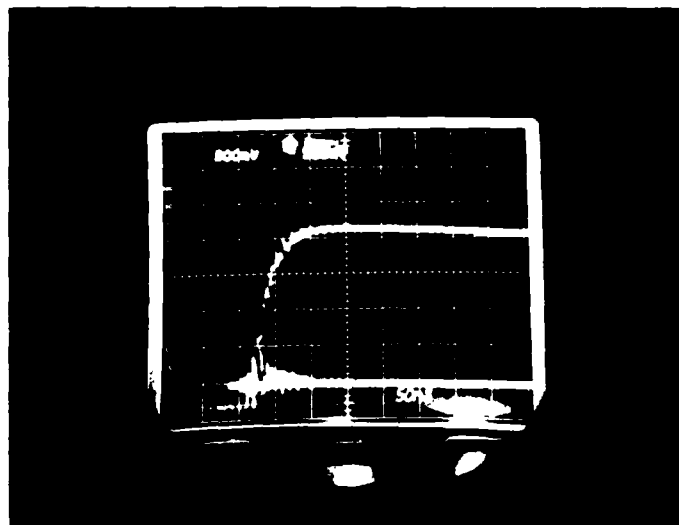
DATA @ .05V(100V)





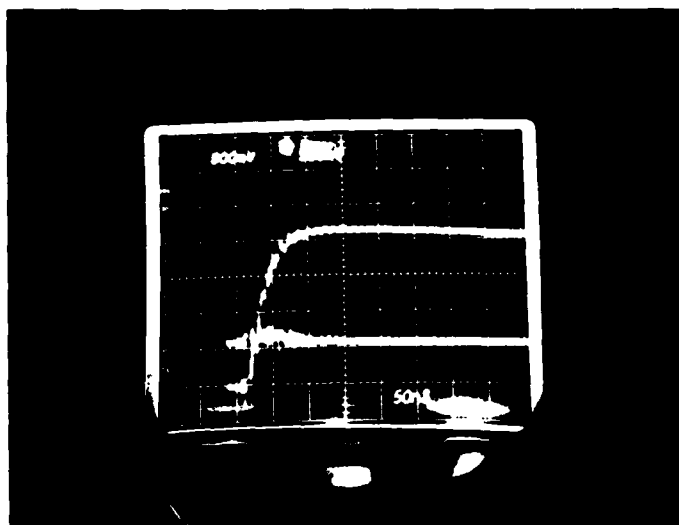
821

Date	6-5-85
Test Point	15-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	+ 4500 V
Data Link	
Comments:	



818

Date	6-5-85
Test Point	15R-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	- 4500 V
Data Link	
Comments:	

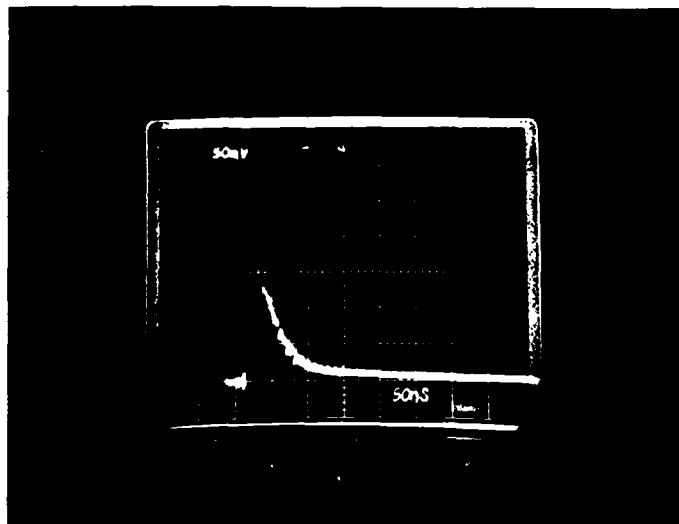


819

BASELINE OFFSET BY -110V - NO EXPLANATION GIVEN OR OFFERED

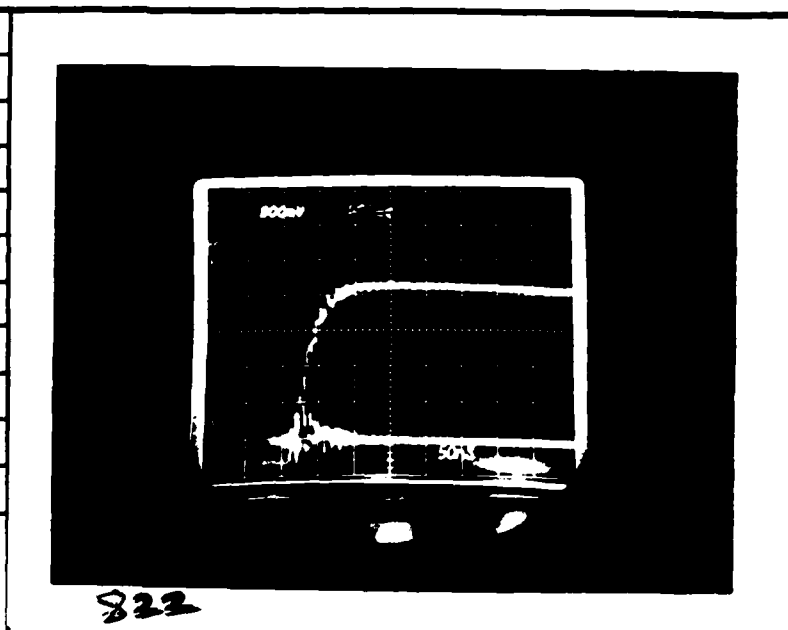
819 REPEAT ON BACK - # 821

Date	6-5-85
Test Point	15-CH-110-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	4500V
Data Link	
Comments:	820

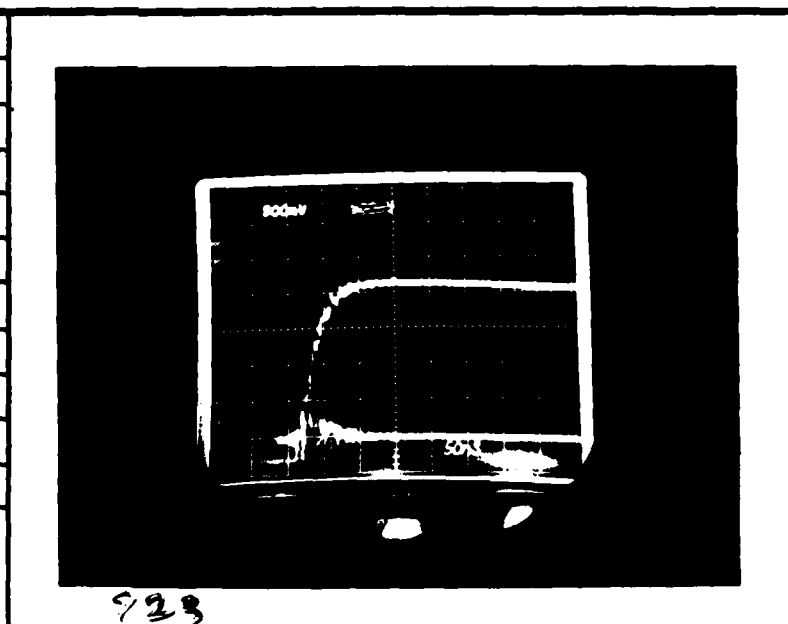


Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

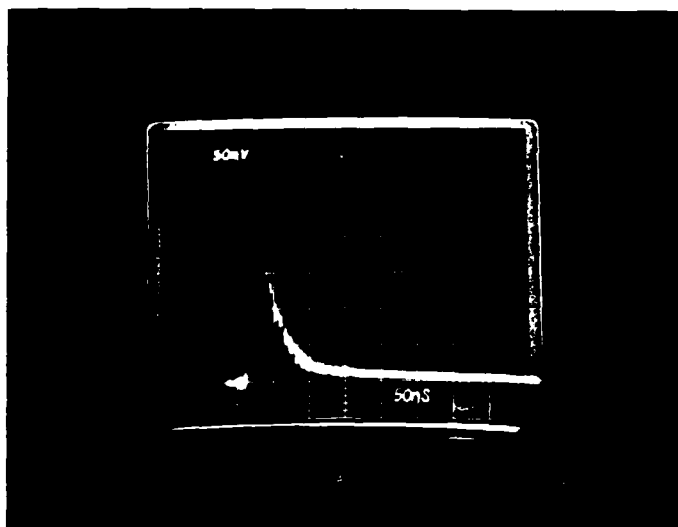
Date	6-5-85
Test Point	15-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level +	4500V
Data Link	
Comments:	822



Date	6-5-85
Test Point	15R-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level -	4500V
Data Link	
Comments:	823



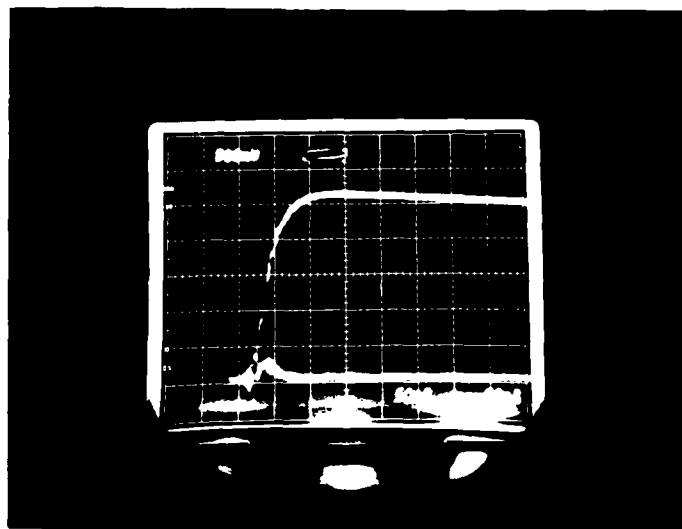
Date	6-5-85
Test Point	15-C14-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	0.5V(100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level +	4500 V
Date Link	
Comments:	



824

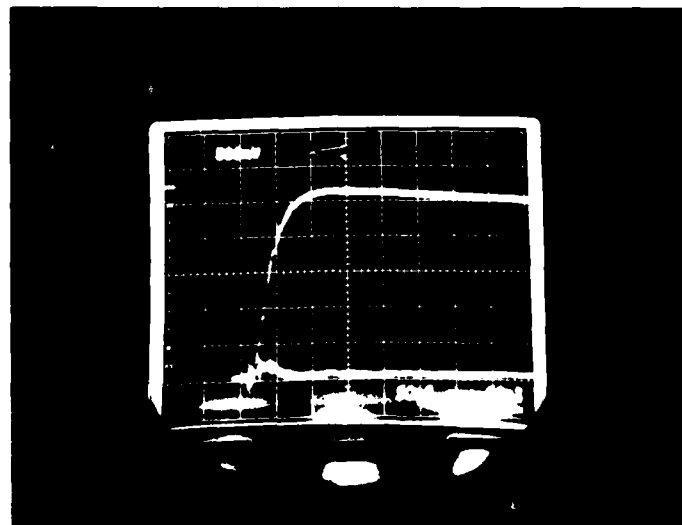
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Date Link	
Comments:	

Date 6-5-85  
 Test Point 15-CH-1/10-C  
 Amplification dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V (860V) mV/div 1  
 Horizontal ns/div 2  
 Vertical 860V mV/div 2  
 Configuration  
 Pulsar Level + 4500 V  
 Data Link  
 Comments:



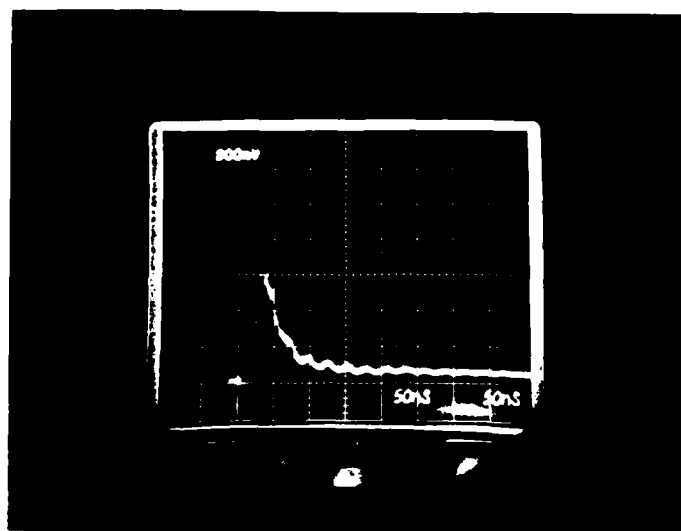
825

Date 6-5-85  
 Test Point 15R-CH-1/10-C  
 Amplification dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V (860V) mV/div 1  
 Horizontal ns/div 2  
 Vertical 860V mV/div 2  
 Configuration  
 Pulsar Level -4500 V  
 Data Link  
 Comments:



826

Date 6-5-85  
 Test Point 15-CH-1/10-C  
 Amplification dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .05V (86V) mV/div 1  
 Horizontal ns/div 2  
 Vertical (86V) ns/div 2  
 Configuration  
 Pulsar Level + 4500 V  
 Data Link  
 Comments: 827

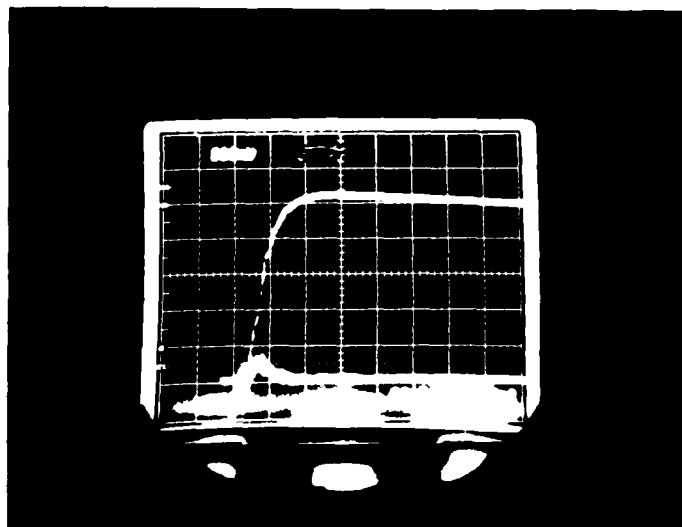


Date  
 Test Point  
 Amplification dB  
 Attenuation dB  
 Horizontal ns/div 1  
 Vertical mV/div 1  
 Horizontal ns/div 2  
 Vertical ns/div 2  
 Configuration  
 Pulsar Level  
 Data Link  
 Comments:



Date	6-5-85
Test Point	15-CH-1/10-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	860V mV/div 2
Configuration	
Pulse Level	4500V
Data Link	
Comments:	

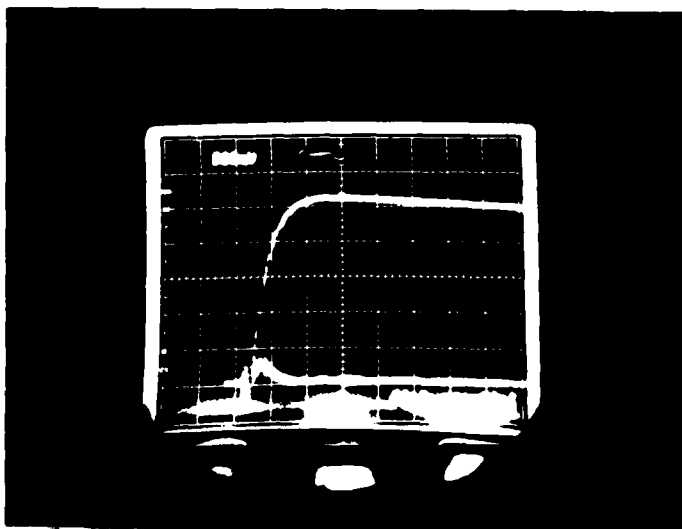
828



828

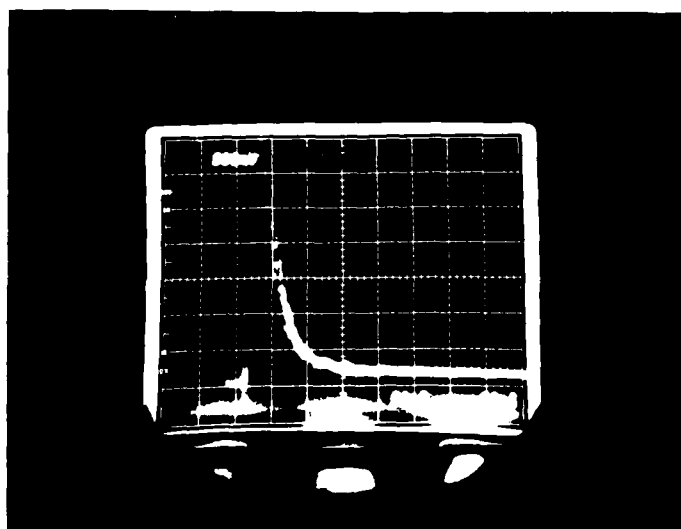
Date	6-5-85
Test Point	15R-CH-1/10-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	860V mV/div 2
Configuration	
Pulse Level	-4500V
Data Link	
Comments:	

821



829

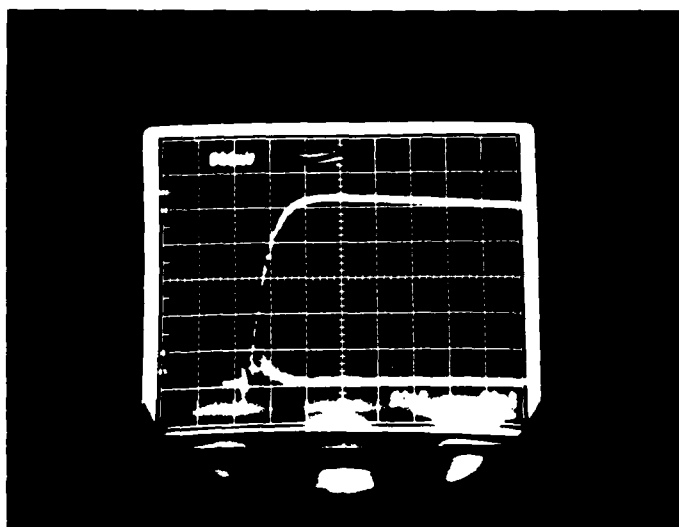
Date	6-5-85
Test Point	15-CH-110-0
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V( 96V) mV/div 1
Horizontal	ns/div 2
Vertical	86V <del>mV</del> /div 2
Configuration	
Pulser Level	4500V
Data Link	
Comments:	83



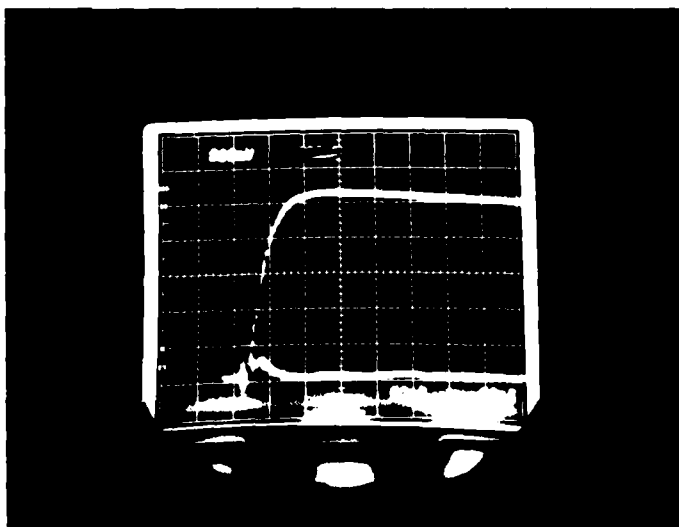
830

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

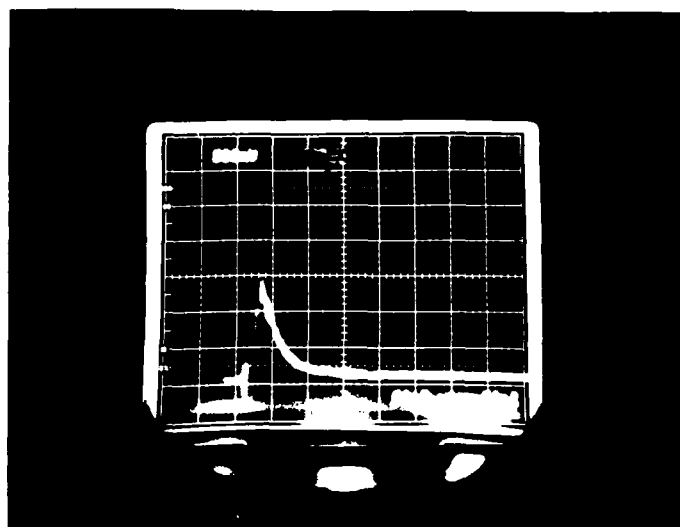
Date	6-5-85
Test Point	15-CH-410-E
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	.5V (860V) mV/div 2
Configuration	
Pulser Level	+ 4500V
Date Link	
Comments:	831



Date	6-5-85
Test Point	15R-CH-410-E
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	860V mV/div 2
Configuration	
Pulser Level	- 4500V
Date Link	
Comments:	832



Date 6-5-85  
 Test Point 15-CH-10-E  
 Amplification dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical 0.5V (100V) ~~mV~~/div 1  
 Horizontal 1V (200V) ~~ns~~/div 2  
 Vertical 50V ~~ns~~/div 2  
 Configuration  
 Pulsar Level - 4500 V  
 Data Link  
 Comments:

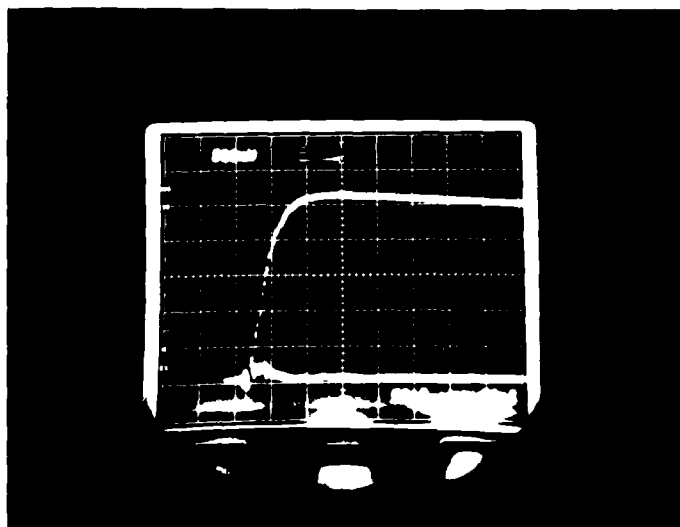


833

• 1V (172V)/DIV

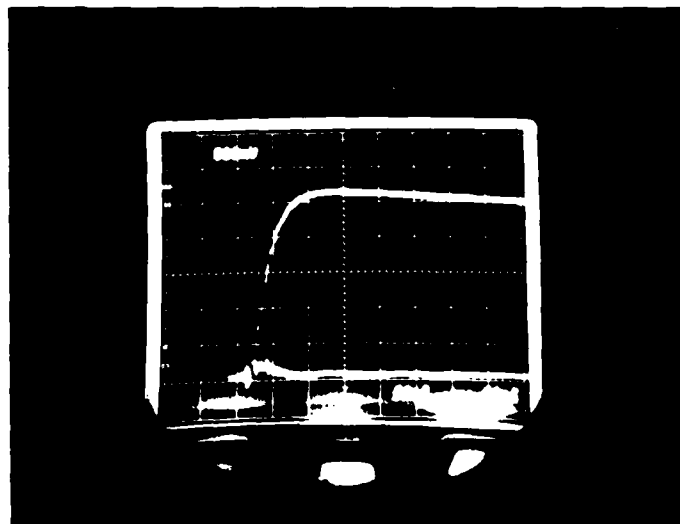
Date  
 Test Point  
 Amplification dB  
 Attenuation dB  
 Horizontal ns/div 1  
 Vertical mV/div 1  
 Horizontal ns/div 2  
 Vertical ns/div 2  
 Configuration  
 Pulsar Level  
 Data Link  
 Comments:

Date	6-6-85
Test Point	17-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulse Level	+ 4500V
Data Link	
Comments:	83



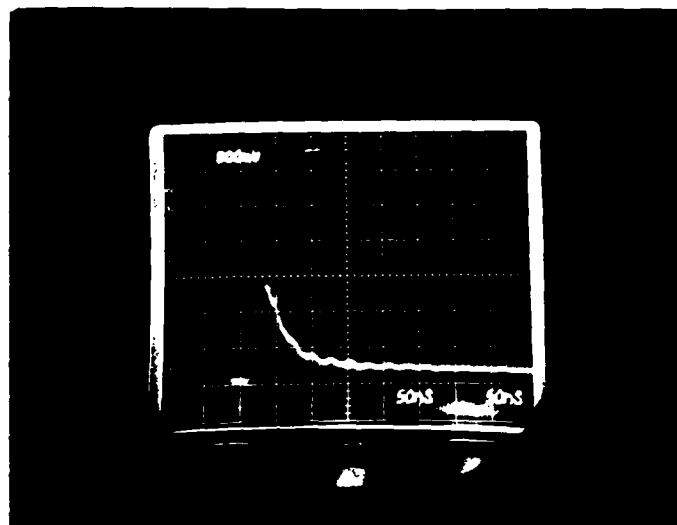
834

Date	6-6-85
Test Point	17R-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulse Level	- 4500V
Data Link	
Comments:	



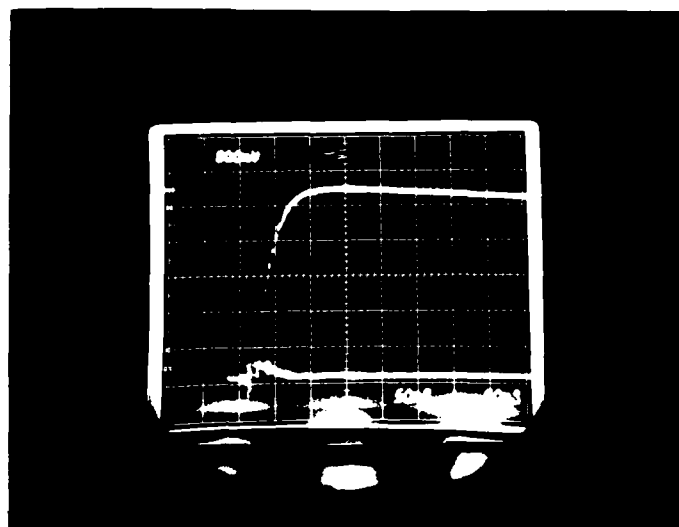
835

Date	6-6-85
Test Point	17-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	105V (96V) mV/div 1
Horizontal	ns/div 2
Vertical	(86V) ns/div 2
Configuration	
Pulser Level	4500 V
Date Link	
Comments:	836



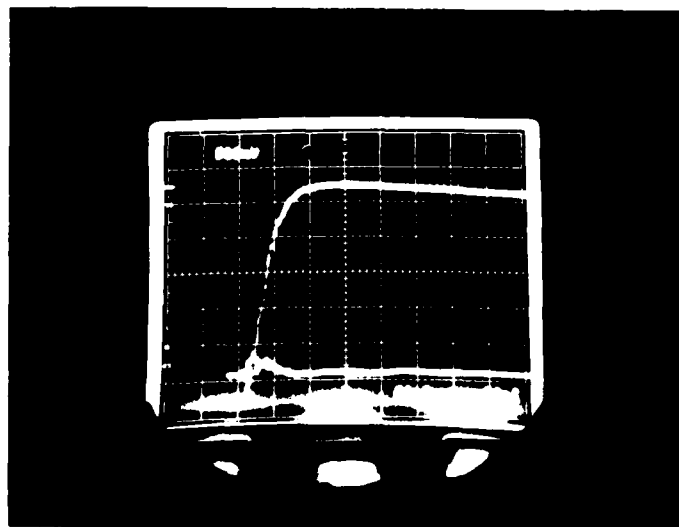
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Date Link	
Comments:	

Date 6-6-85  
 Test Point 17-CH-1/10-B  
 Amplification dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V (860V) mV/div 1  
 Horizontal ns/div 2  
 Vertical (860V) ns/div 2  
 Configuration  
 Pulsar Level + 4500 V  
 Data Link  
 Comments:



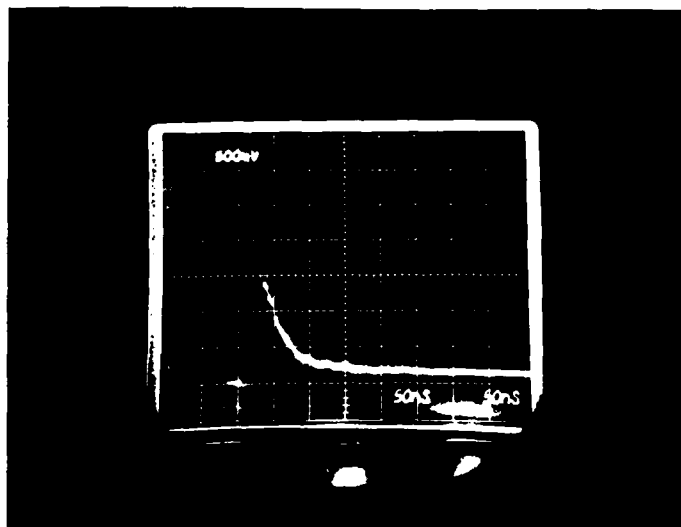
837

Date 6-6-85  
 Test Point 17R-CH-1/10-B  
 Amplification dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V (860V) mV/div 1  
 Horizontal ns/div 2  
 Vertical (860V) ns/div 2  
 Configuration  
 Pulsar Level - 4500 V  
 Data Link  
 Comments:



838

Date	6-6-85
Test Point	17-CH-1/10-B
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V-(86V) mV/div 1
Horizontal	ns/div 2
Vertical	86V ns/div 2
Configuration	
Pulser Level +	4500 V
Data Link	
Comments:	



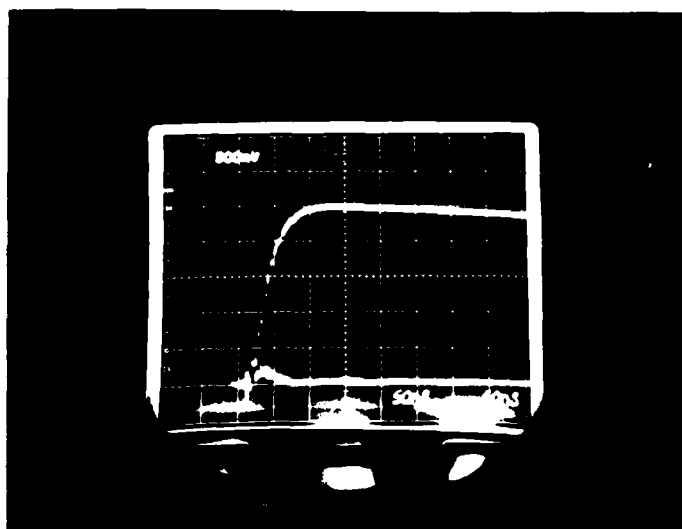
839

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	



Date 6-6-85  
 Test Point 17-CH-1/10-C  
 Amplification 0 dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V (860V) mV/div 1  
 Horizontal ns/div 2  
 Vertical (860V) ns/div 2  
 Configuration  
 Pulsar Level +4500V  
 Data Link  
 Comments:

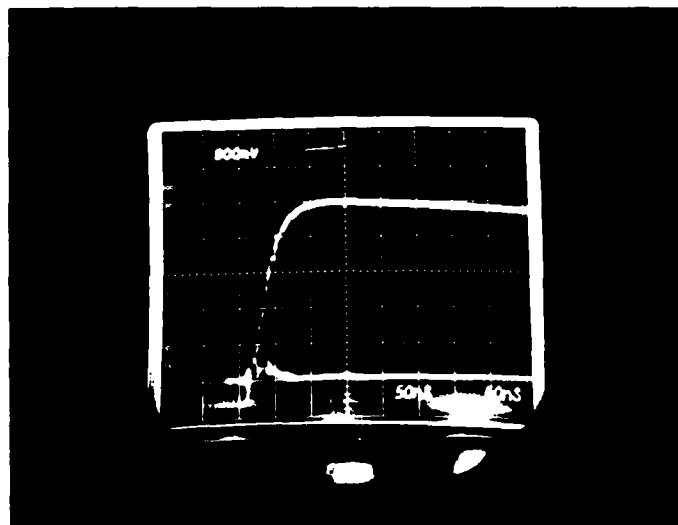
840



840

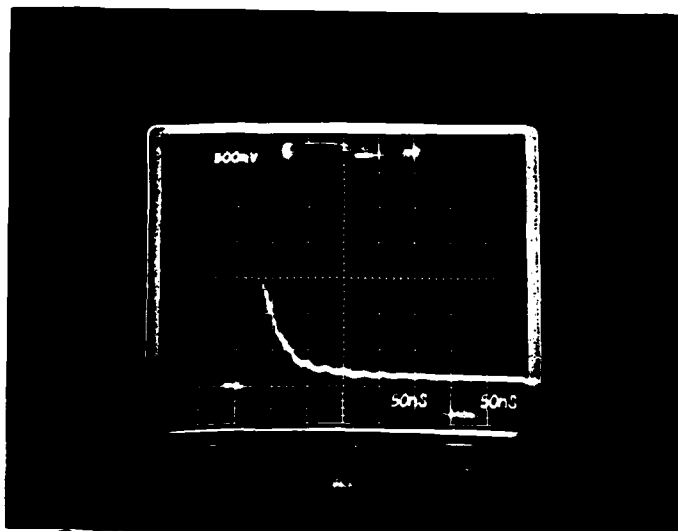
Date 6-6-85  
 Test Point 17R-CH-1/10-C  
 Amplification 0 dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V (860V) mV/div 1  
 Horizontal ns/div 2  
 Vertical (860V) ns/div 2  
 Configuration  
 Pulsar Level -4500V  
 Data Link  
 Comments:

841



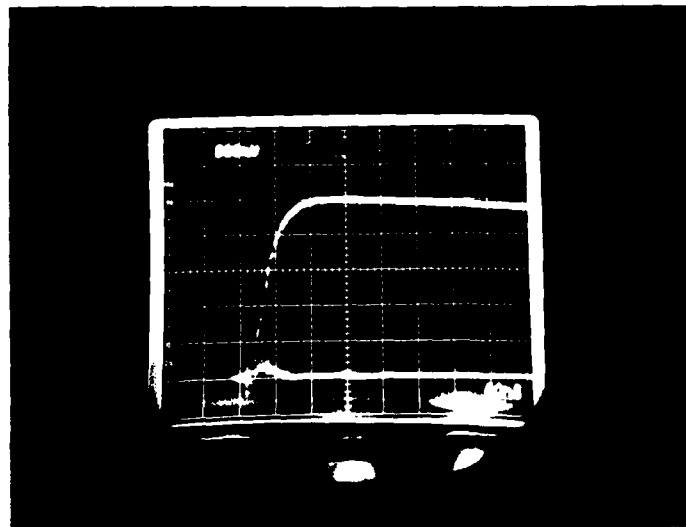
841

Date 6-6-85  
 Test Point 17-CH-110-C  
 Amplification 0 dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .05V (.86V) mV/div 1  
 Horizontal        ns/div 2  
 Vertical (.86V) ns/div 2  
 Configuration  
 Pulser Level +4500 V  
 Data Link  
 Comments: 842

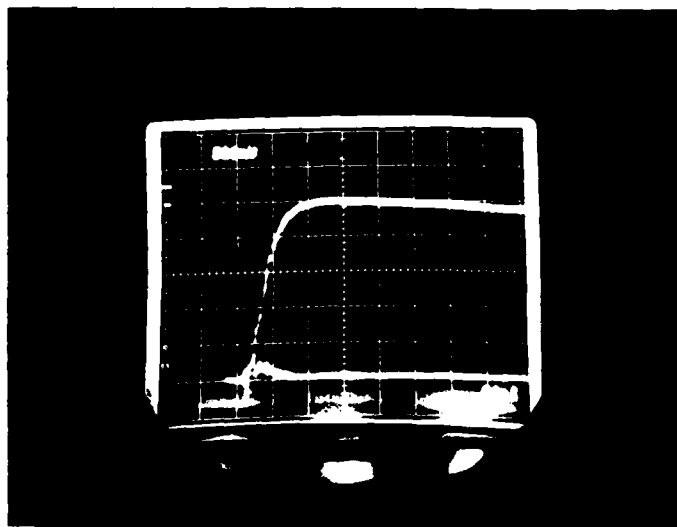


Date  
 Test Point  
 Amplification dB  
 Attenuation dB  
 Horizontal ns/div 1  
 Vertical mV/div 1  
 Horizontal ns/div 2  
 Vertical ns/div 2  
 Configuration  
 Pulser Level  
 Data Link  
 Comments:

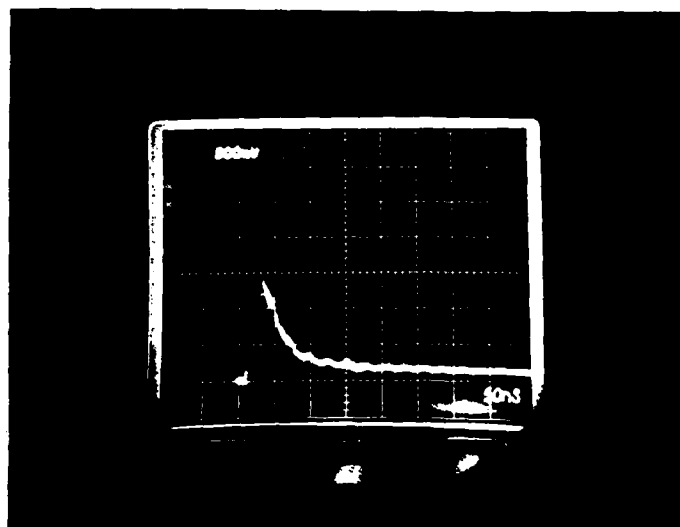
Date 6-6-85  
 Test Point 17-CH-1/10-D  
 Amplification 0 dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical 5V (860V) mV/div 1  
 Horizontal ns/div 2  
 Vertical (860V) ns/div 2  
 Configuration  
 Pulsar Level 4500V  
 Data Link  
 Comments: 843



Date 6-6-85  
 Test Point 17R-CH-1/10-D  
 Amplification 0 dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical 5V (860V) mV/div 1  
 Horizontal ns/div 2  
 Vertical (860V) ns/div 2  
 Configuration  
 Pulsar Level - 4500V  
 Data Link  
 Comments: 844

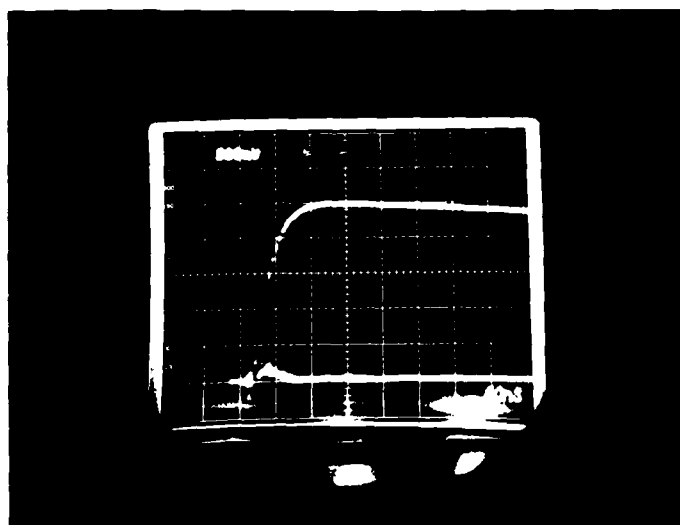


Date	6-6-85
Test Point	17-CH-1/10-D
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	105V (86V) mV/div 1
Horizontal	ns/div 2
Vertical	(86V) ns/div 2
Configuration	
Pulser Level	4500 V
Data Link	
Comments:	845

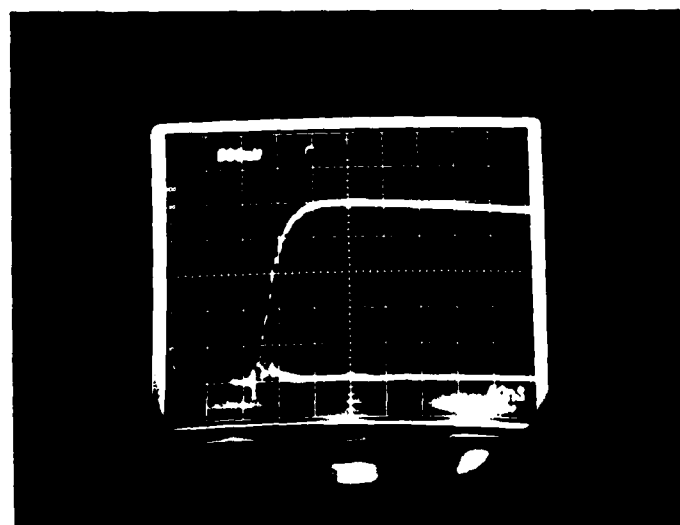


Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

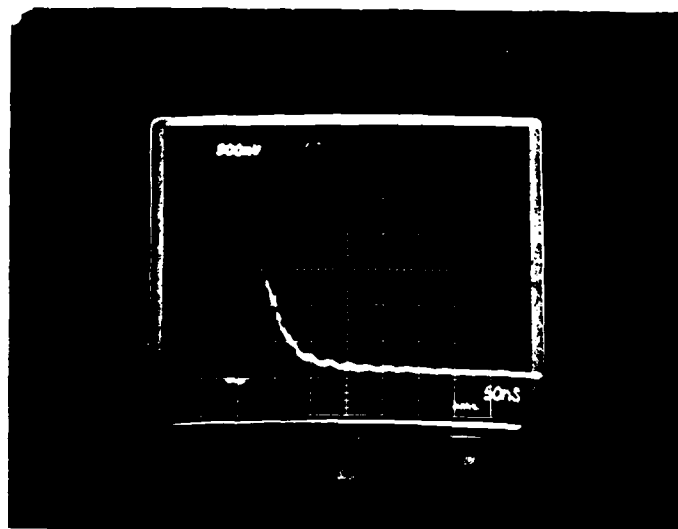
Date 6-6-85  
 Test Point 17-CH-1/10 - E  
 Amplification 0 dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical 5V (860V) mV/div 1  
 Horizontal ns/div 2  
 Vertical (860V) ns/div 2  
 Configuration  
 Pulsar Level + 4500 V  
 Data Link  
 Comments: 846



Date 6-6-85  
 Test Point 17R-CH-1/10 - E  
 Amplification 0 dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical 5V (860V) mV/div 1  
 Horizontal ns/div 2  
 Vertical (860V) ns/div 2  
 Configuration  
 Pulsar Level - 4500 V  
 Data Link  
 Comments: 847

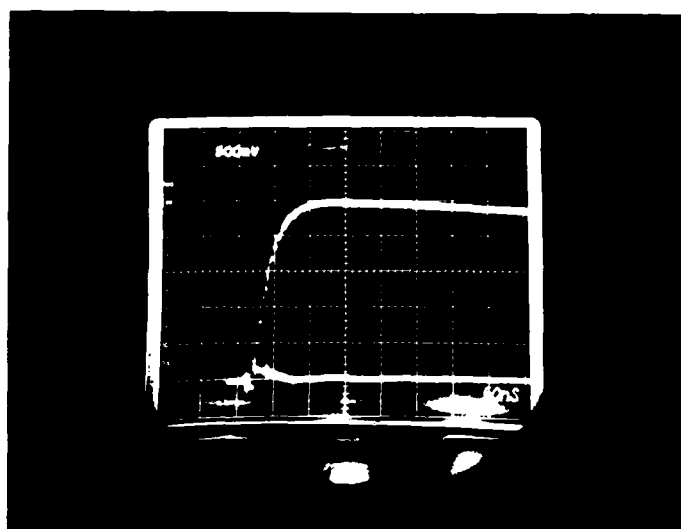


Date	6-6-85
Test Point	17-CH-1/10-E
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (86V) mV/div 1
Horizontal	ns/div 2
Vertical	(86V) ns/div 2
Configuration	
Pulser Level	+ 4500 V
Data Link	
Comments:	848



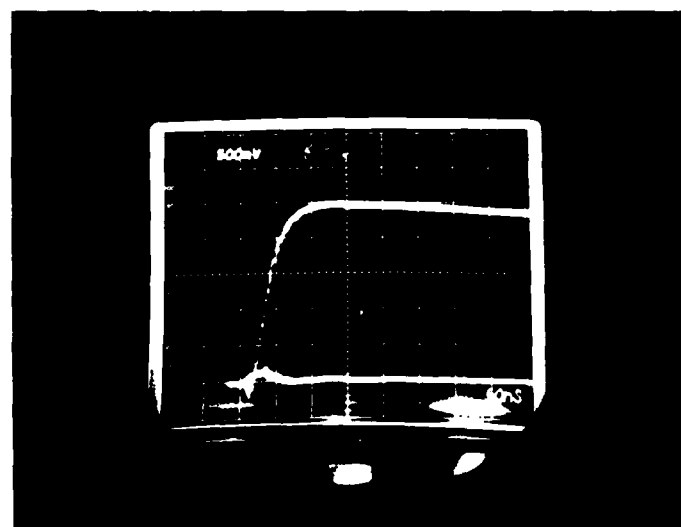
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date 6-6-85  
 Test Point 19-CH-1/10-A  
 Amplification 0 dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical 5V (.860V) mV/div 1  
 Horizontal        ns/div 2  
 Vertical (.860V) ns/div 2  
 Configuration  
 Pulsar Level 4500V  
 Data Link  
 Comments: 349



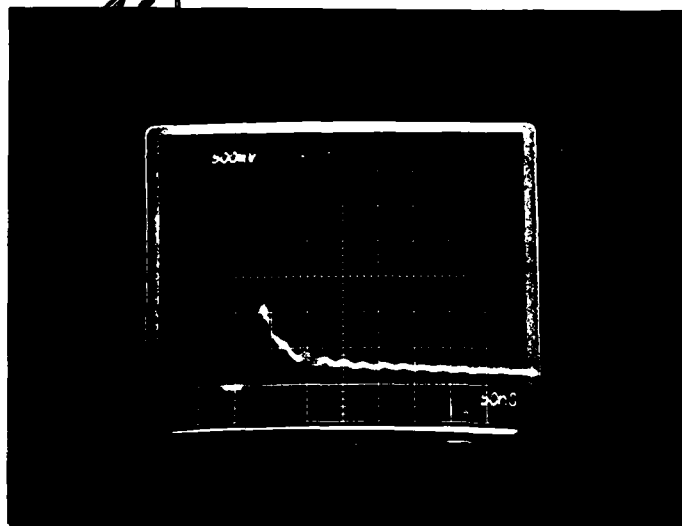
849

Date 6-6-85  
 Test Point 19R-CH-1/10-A  
 Amplification 0 dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical 5V (.860V) mV/div 1  
 Horizontal        ns/div 2  
 Vertical (.860V) ns/div 2  
 Configuration  
 Pulsar Level -4500V  
 Data Link  
 Comments: 350



850

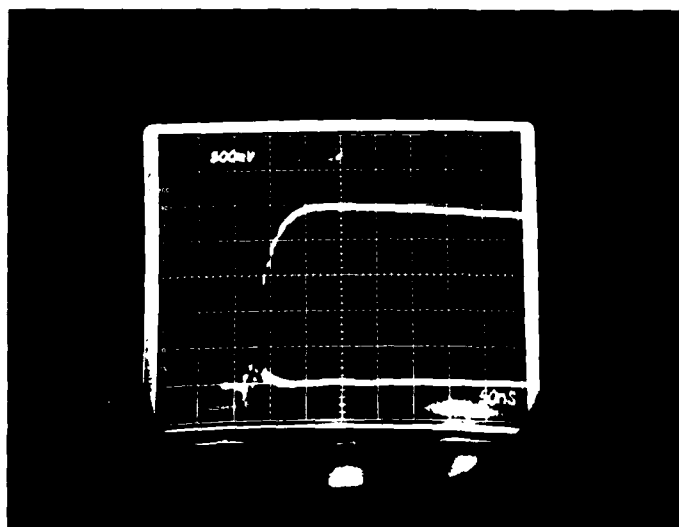
Date 6-6-85  
 Test Point 19-CH-110-A  
 Amplification 0 dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .05V (86V) mV/div 1  
 Horizontal ns/div 2  
 Vertical (86V) ns/div 2  
 Configuration  
 Pulsar Level + 4500V  
 Data Link  
 Comments: 851



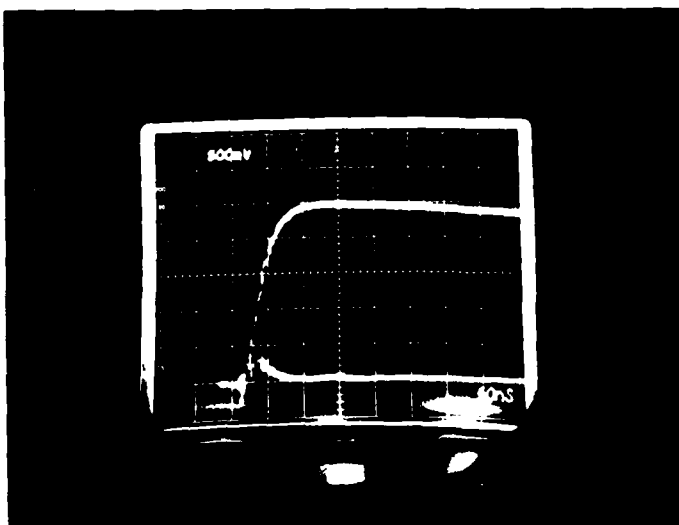
Date  
 Test Point  
 Amplification dB  
 Attenuation dB  
 Horizontal ns/div 1  
 Vertical mV/div 1  
 Horizontal ns/div 2  
 Vertical ns/div 2  
 Configuration  
 Pulsar Level  
 Data Link  
 Comments:



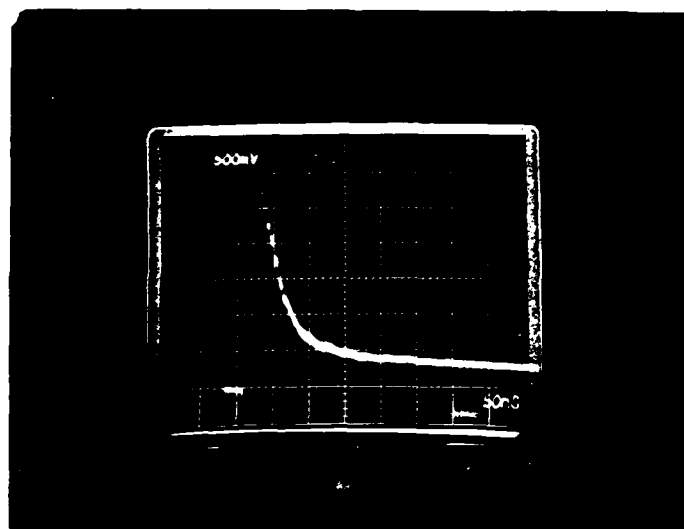
Date	6-6-85
Test Point	19-CH-110-B
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulser Level	+4500V
Date Link	
Comments:	852



Date	6-6-85
Test Point	19R-CH-110-B
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulser Level	-4500V
Date Link	
Comments:	853



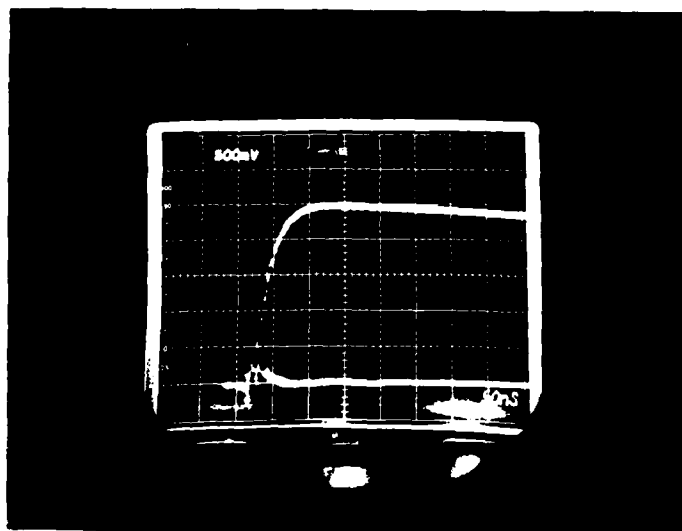
Date	6-6-85
Test Point	A-CH-110-B
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05 (86V) mV/div 1
Horizontal	ns/div 2
Vertical	(86V) ns/div 2
Configuration	
Pulser Level	+ 4500V
Date Link	
Comments:	



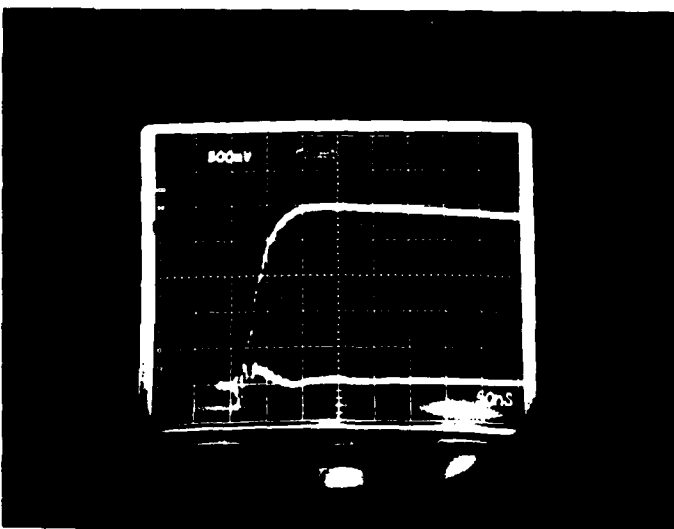
854

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Date Link	
Comments:	

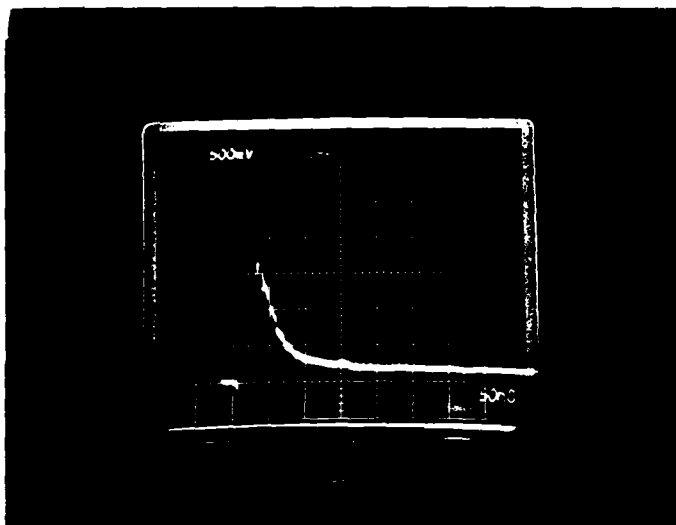
Date	6-6-85
Test Point	19-CH-1/10-C
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	



Date	6-6-85
Test Point	19R-CH-1/10-C
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulser Level	- 4500V
Data Link	
Comments:	



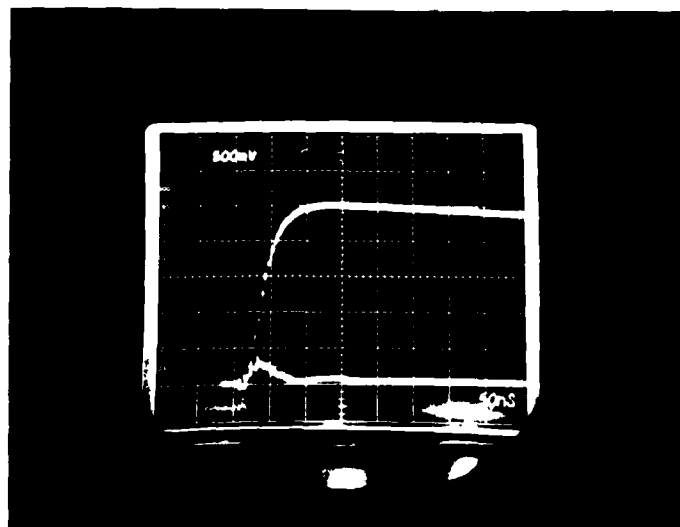
Date	6-6-85
Test Point	19-CH-40-C
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	105V (86V) mV/div 1
Horizontal	ns/div 2
Vertical	(86V) ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	



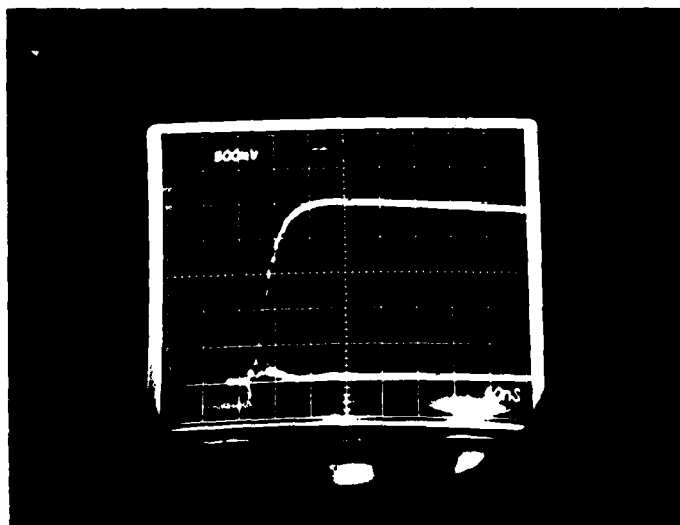
857

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

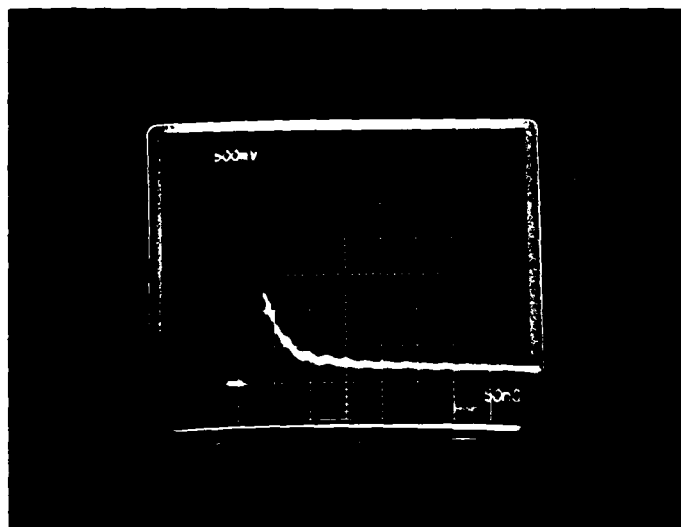
Date 6-6-85  
 Test Point 19-CH-1/10-D  
 Amplification 0 dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V (860V) mV/div 1  
 Horizontal ns/div 2  
 Vertical (860V) ns/div 2  
 Configuration  
 Pulsar Level +4500V  
 Data Link  
 Comments:



Date 6-6-85  
 Test Point 19R-CH-1/10-D  
 Amplification 0 dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V (860V) mV/div 1  
 Horizontal ns/div 2  
 Vertical (860V) ns/div 2  
 Configuration  
 Pulsar Level -4500V  
 Data Link  
 Comments:



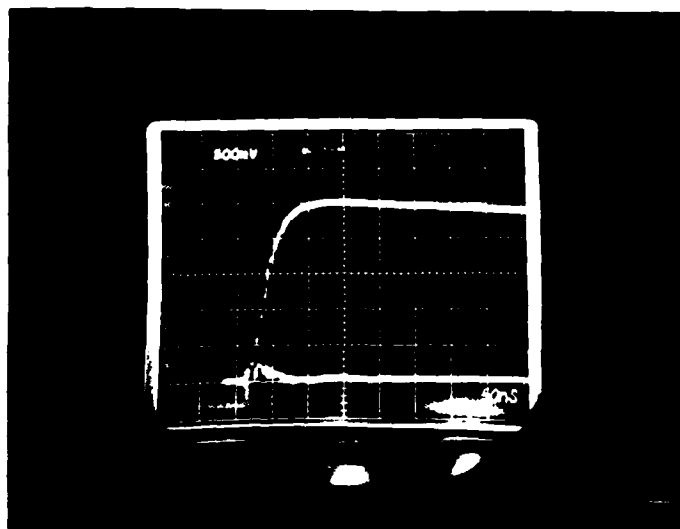
Date	6-6-85
Test Point	19-CH-110-D
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V(86V)-mV/div 1
Horizontal	ns/div 2
Vertical	(86V) ns/div 2
Configuration	
Pulse Level	+ 4500V
Data Link	
Comments:	9.2



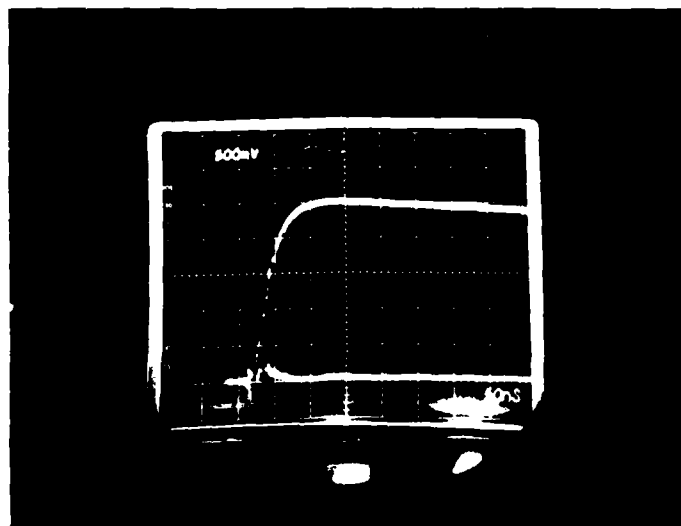
860

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	
Data Link	
Comments:	

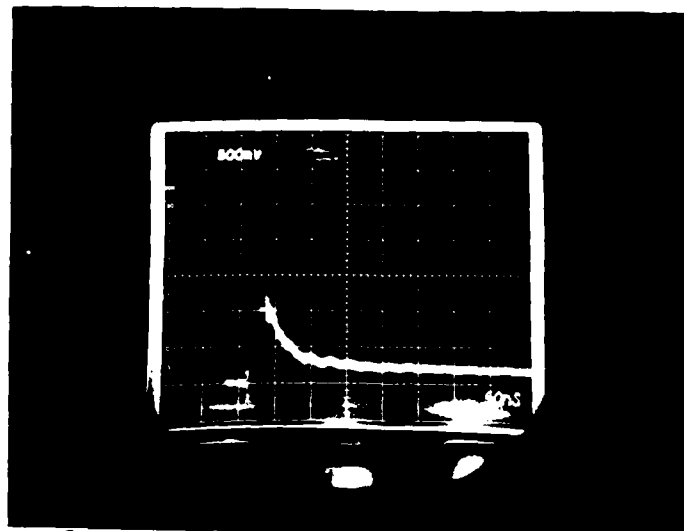
Date 6-6-85  
 Test Point 19-CH-110-E  
 Amplification 0 dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V (860V) mV/div 1  
 Horizontal ns/div 2  
 Vertical (860V) ns/div 2  
 Configuration  
 Pulsar Level +4500V  
 Data Link  
 Comments: 861



Date 6-6-85  
 Test Point 19R-CH-110-E  
 Amplification 0 dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V (860V) mV/div 1  
 Horizontal ns/div 2  
 Vertical (860V) ns/div 2  
 Configuration  
 Pulsar Level -4500V  
 Data Link  
 Comments: 862



Date	6-6-85
Test Point	19-CH-1/10-E
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (86V) mV/div 1
Horizontal	ns/div 2
Vertical	(86V) ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	863

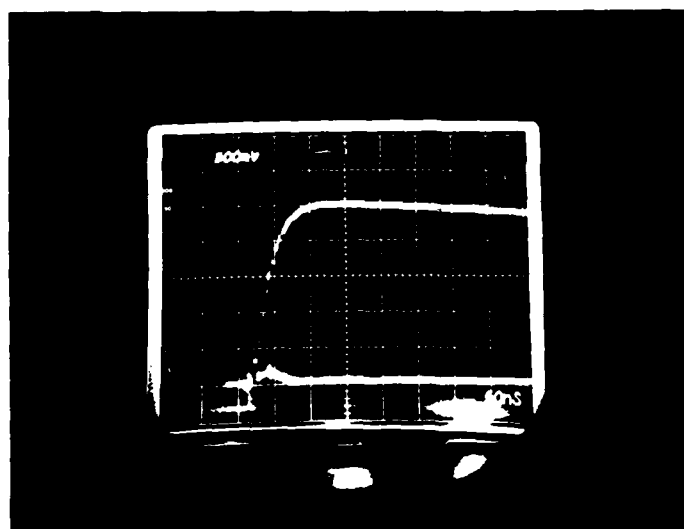


863

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

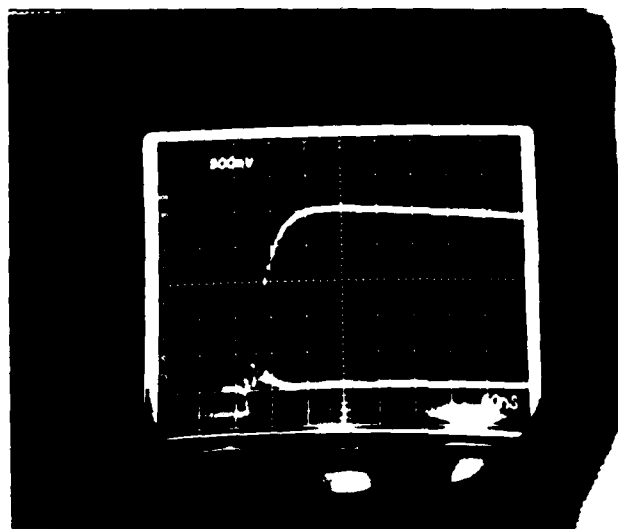


Date	6-6-85
Test Point	21-CH-1/10-A
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	



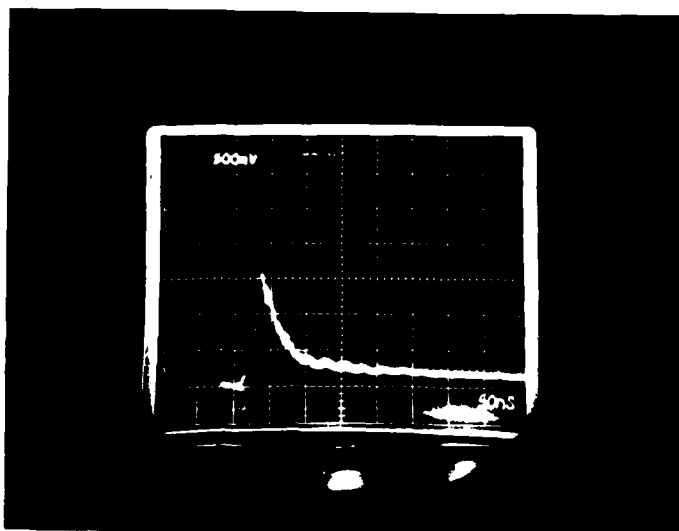
864

Date	6-6-85
Test Point	21R-CH-1/10-A
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulser Level	- 4500V
Data Link	
Comments:	



865

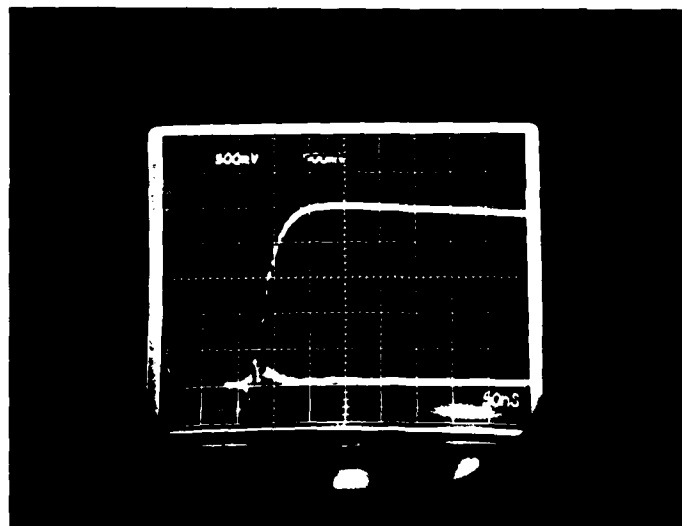
Date	6-6-85
Test Point	21-CH-110-A
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	105V (86V) mV/div 1
Horizontal	ns/div 2
Vertical	86V ns/div 2
Configuration	
Pulser Level	4500V
Data Link	
Comments:	366



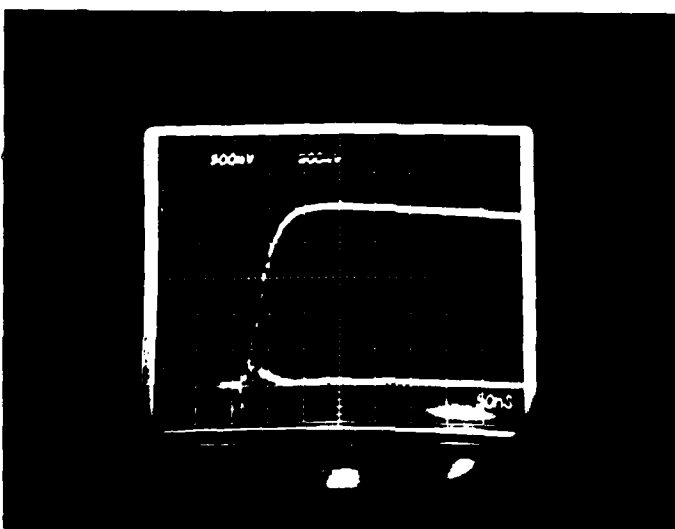
866

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

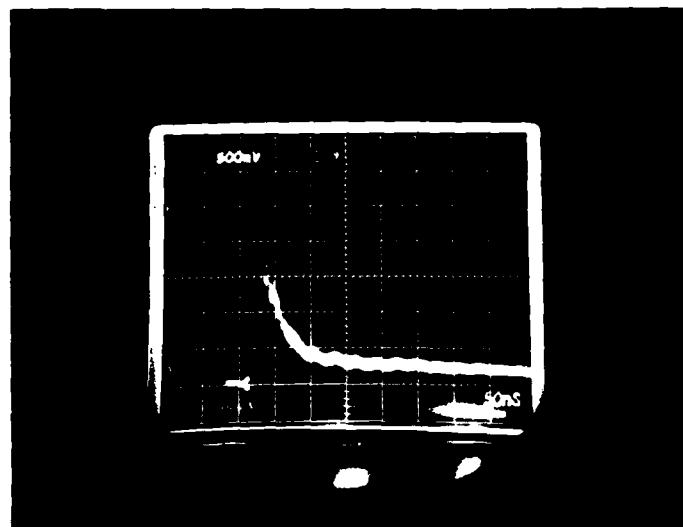
Date	6-6-85
Test Point	21-CH-1/10-B
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	860V ns/div 2
Configuration	
Pulser Level	4500V
Data Link	
Comments:	867



Date	6-6-85
Test Point	21R-CH-1/10-B
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	860V ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	868



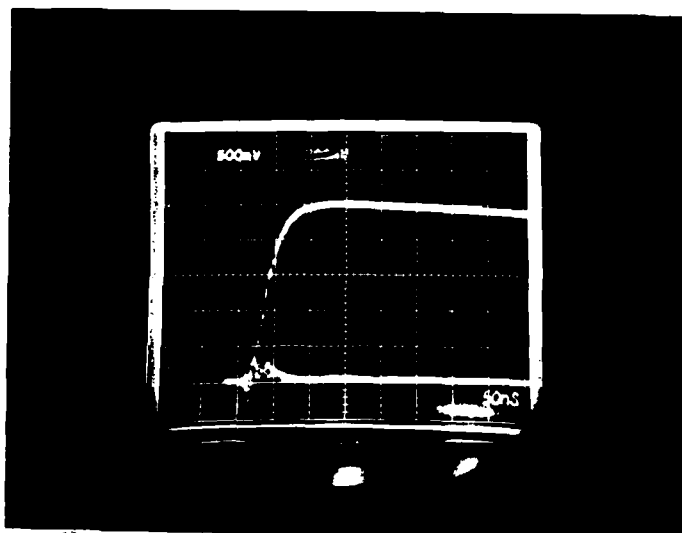
Date	6-6-85
Test Point	21-CH-1/10-B
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (86V) mV/div 1
Horizontal	ns/div 2
Vertical	86V ns/div 2
Configuration	
Pulser Level	4500V
Data Link	
Comments:	561



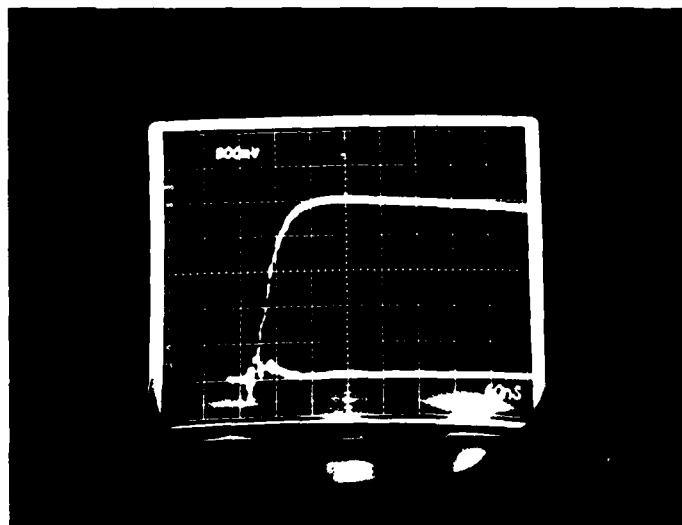
869

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

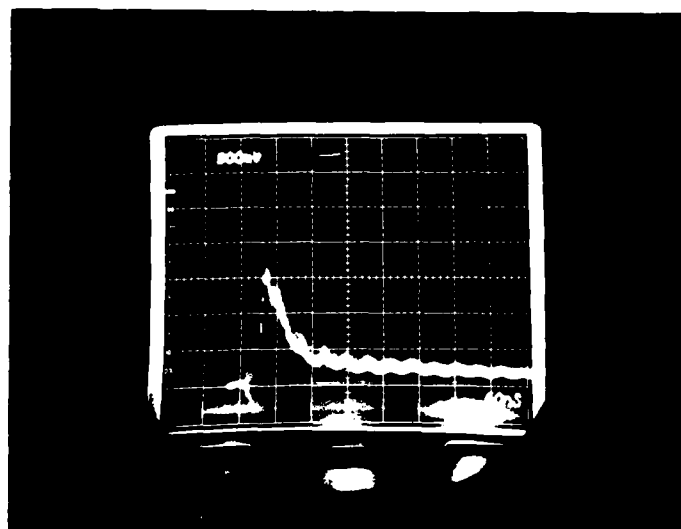
Date 6-6-85  
 Test Point 21-CH-1/10-C  
 Amplification 0 dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V (860V) mV/div 1  
 Horizontal ns/div 2  
 Vertical 860V ns/div 2  
 Configuration  
 Pulsar Level + 4500V  
 Data Link  
 Comments:



Date 6-6-85  
 Test Point 21R-CH-1/10-C  
 Amplification 0 dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V (860V) mV/div 1  
 Horizontal ns/div 2  
 Vertical 860V ns/div 2  
 Configuration  
 Pulsar Level -4500V  
 Data Link  
 Comments:



Date	6-6-85
Test Point	21-CH-110-C
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (88V) mV/div 1
Horizontal	ns/div 2
Vertical	86V ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	

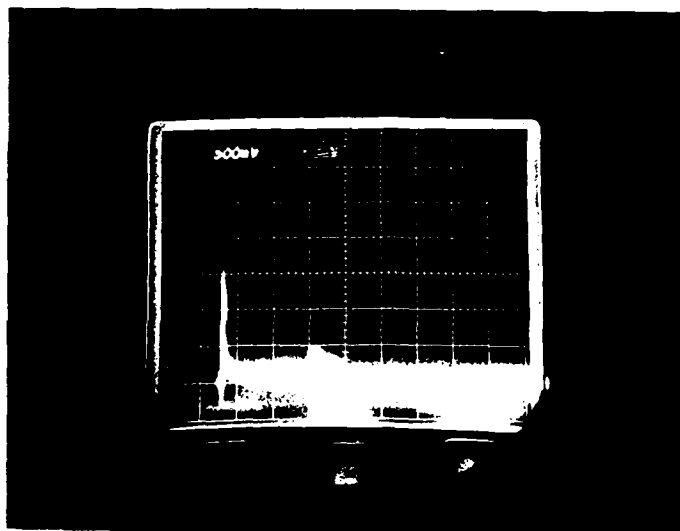


872

872

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

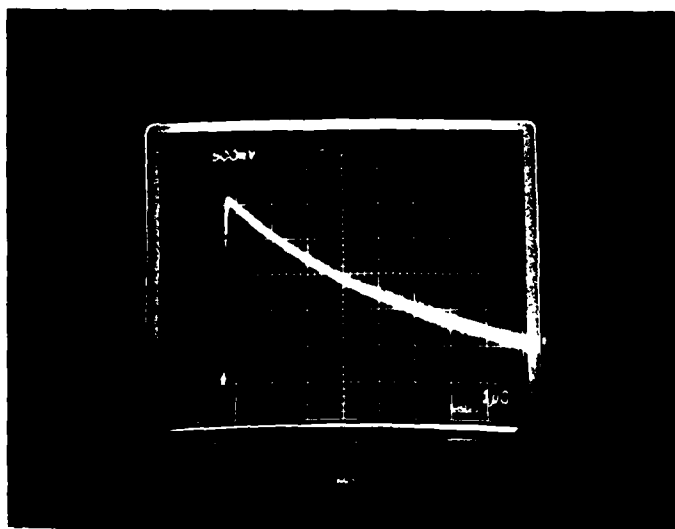
Date 6-6-85  
 Test Point 21-CH - 1/10-D  
 Amplification 0 dB  
 Attenuation 20 dB  
 Horizontal 1  $\mu$ S 50 ns/div 1  
 Vertical .05 (86V) mV/div 1  
 Horizontal ns/div 2  
 Vertical 86V ns/div 2  
 Configuration  
 Pulsar Level + 4500 V  
 Data Link  
 Comments:



875

1  $\mu$ S/DIV, .05V (100V) DIV

Date 6 6 85  
 Test Point REF PULSE  
 Amplification 0 dB  
 Attenuation 20 dB  
 Horizontal 1  $\mu$ sec ns/div 1  
 Vertical .5V 860V mV/div 1  
 Horizontal ns/div 2  
 Vertical 860V ns/div 2  
 Configuration  
 Pulsar Level 4.5KV  
 Data Link  
 Comments:

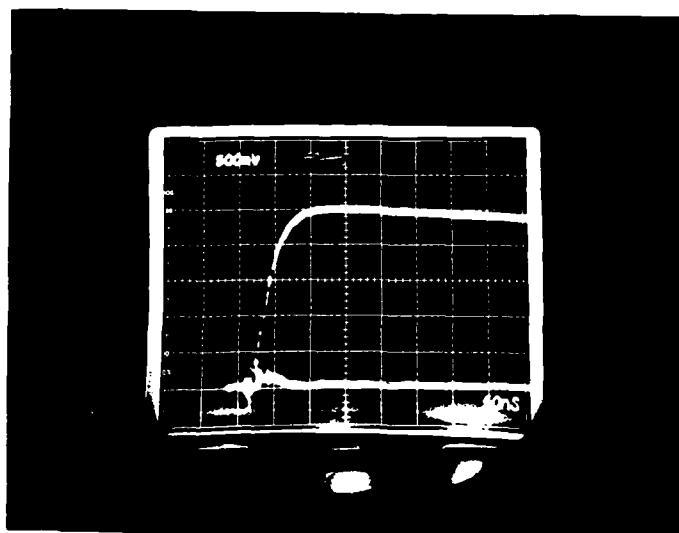


876

LONG TIME BASE REF.

Date	6-6-85
Test Point	21-CH-Y10-D
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	860V mV/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	

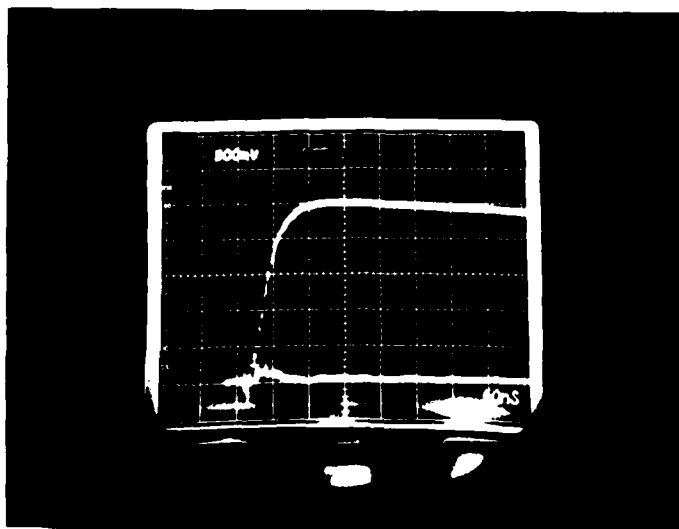
573



873

Date	6-6-85
Test Point	21R-CH-Y10-D
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	860V mV/div 2
Configuration	
Pulser Level	- 4500V
Data Link	
Comments:	

574

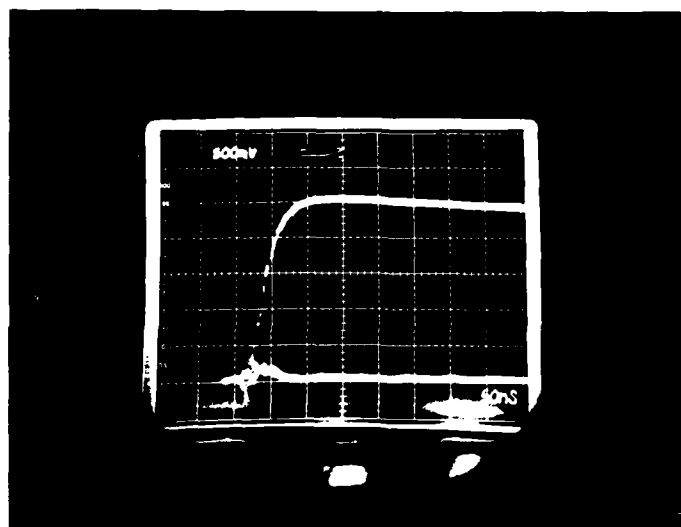


874



Date 6-6-85  
 Test Point 21-CH-1/10-E  
 Amplification 0 dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V (860V) mV/div 1  
 Horizontal ns/div 2  
 Vertical 860V mV/div 2  
 Configuration  
 Pulsar Level + 4500V  
 Data Link

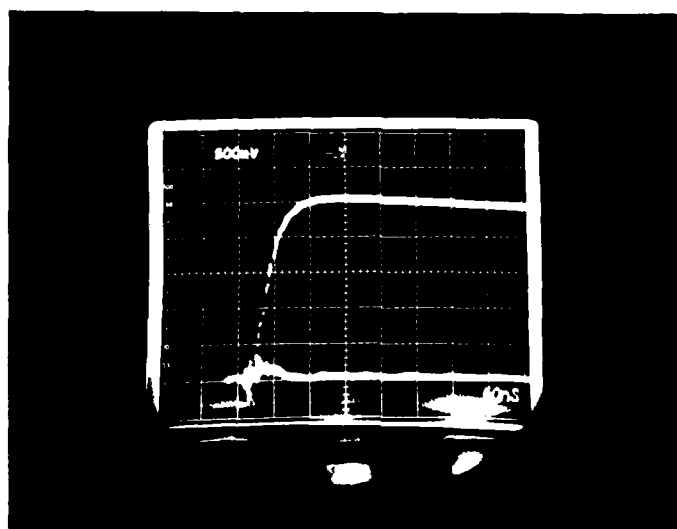
Comments: 877



877

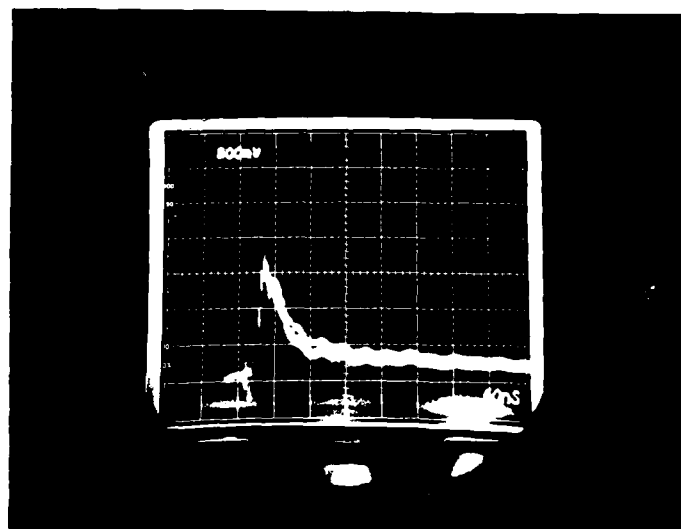
Date 6-6-85  
 Test Point 21A-CH-1/10-E  
 Amplification 0 dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V (860V) mV/div 1  
 Horizontal ns/div 2  
 Vertical 860V mV/div 2  
 Configuration  
 Pulsar Level -4500V  
 Data Link

Comments: 878



878

Date	6-6-85
Test Point	21-CH-1/10-E
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	105 (86V) mV/div 1
Horizontal	ns/div 2
Vertical	86V ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	

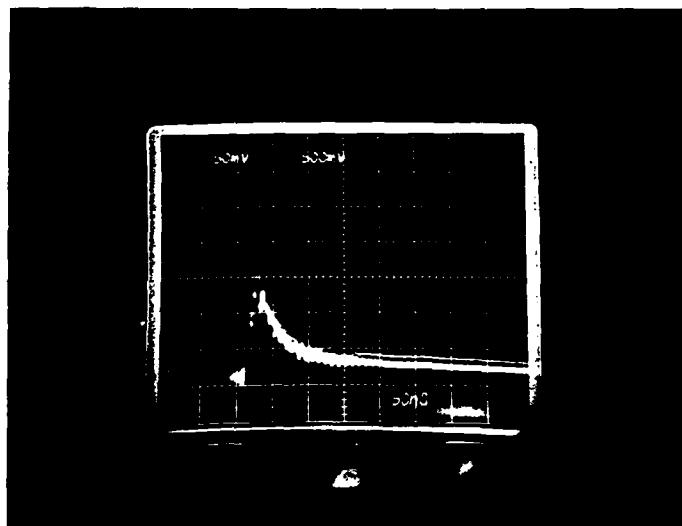


879

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date	6-5-85
Test Point	22-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05 (86V) mV/div 1
Horizontal	ns/div 2
Vertical	86V ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	

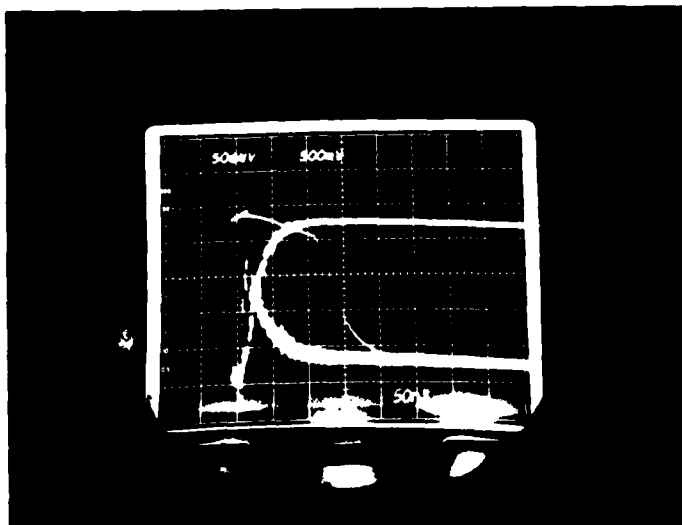
760



760

Date	6-5-85
Test Point	22R-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05 (86V) mV/div 1
Horizontal	50 ns/div 2
Vertical	.5 (860V) ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	

761



761

REF : @ .5V (860V) / DIV

REF

Date 6-5-85

Test Point 22-CH-1/10-B

Amplification dB

Attenuation 20 dB

Horizontal 50 ns/div 1

Vertical <sup>REF</sup> .5V(1000V) mV/div 1

Horizontal ns/div 2

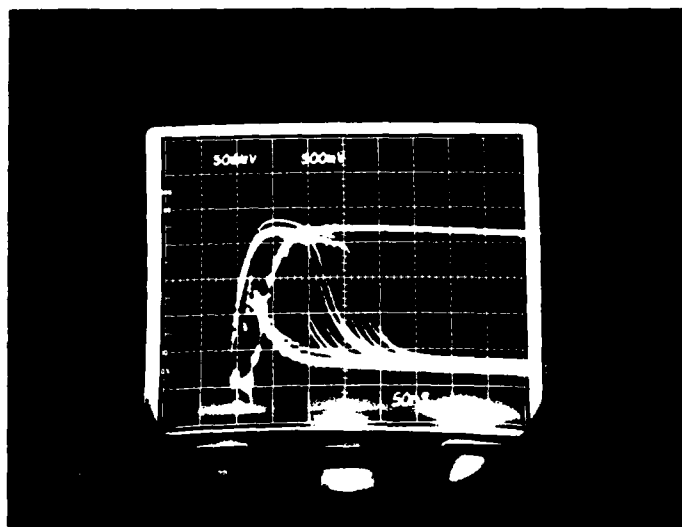
22- Vertical .05V(100V) mV/div 2

Configuration

Pulser Level +4500V

Data Link

Comments:



Date 6-5-85

Test Point 22R-CH-1/10-B

Amplification dB

Attenuation 20 dB

Horizontal 50 ns/div 1

Vertical <sup>REF</sup> .5V(1000V) mV/div 1

Horizontal ns/div 2

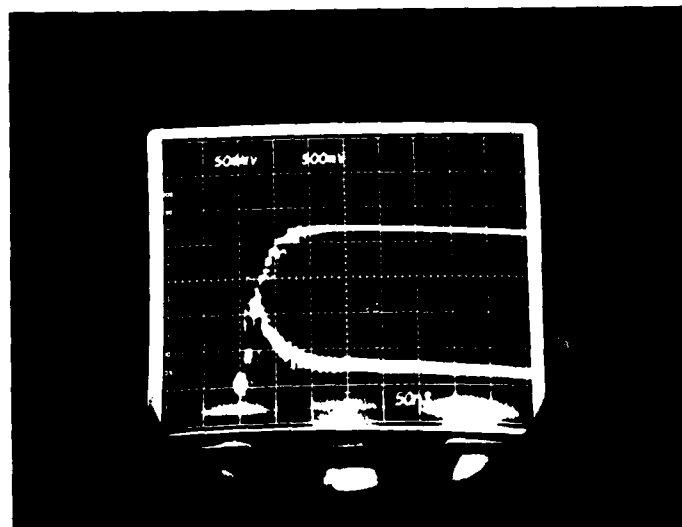
22- Vertical .05V(100V) mV/div 2

Configuration

Pulser Level -4500V

Data Link

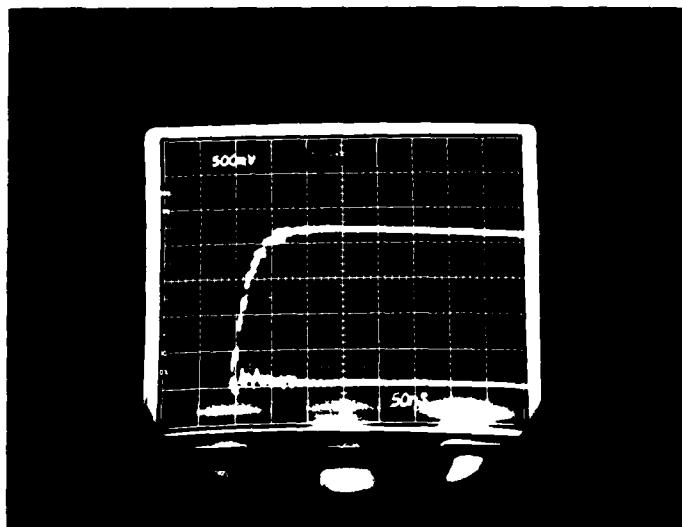
Comments:



Date	6-5-85
Test Point	22-CH-1/10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	

764

ALL @ .5V

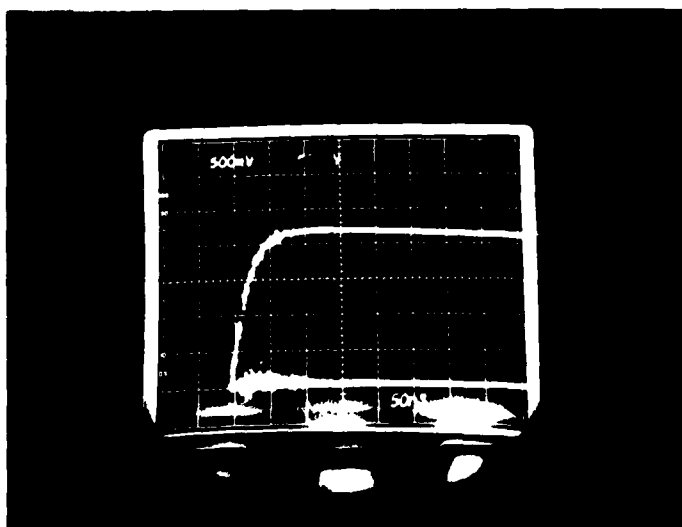


764

Date	6-5-85
Test Point	22R-CH-1/10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	

765

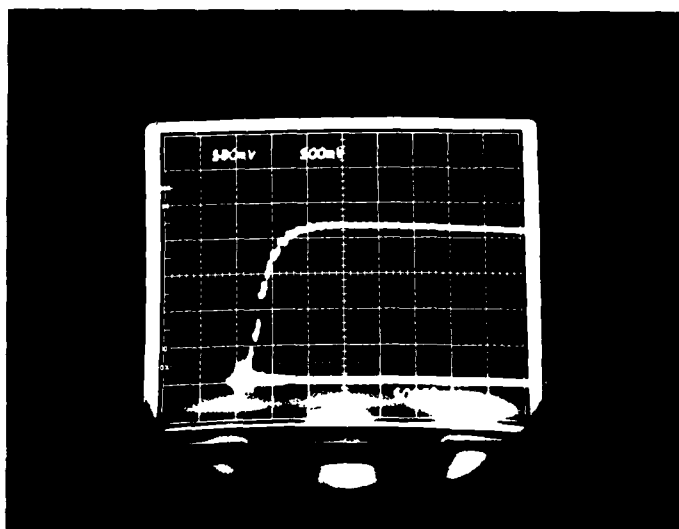
ALL @ .5V



765

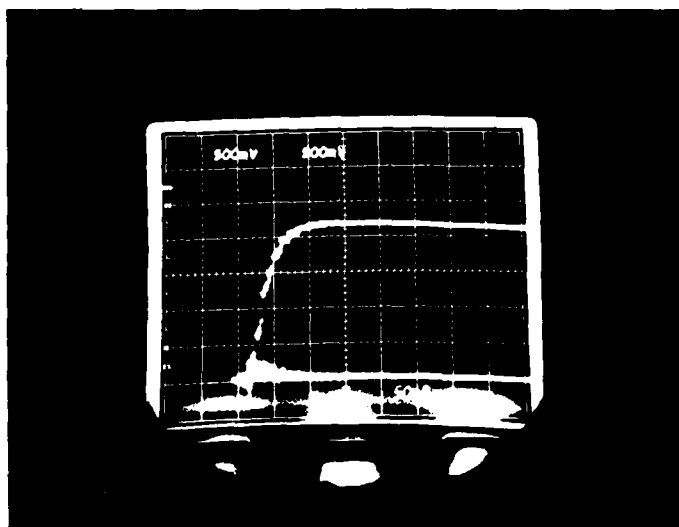
Date 6-5-85  
 Test Point 22R-CH-1/10-D  
 Amplification dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical 0.5V (1000) mV/div 1  
 Horizontal ns/div 2  
 Vertical ns/div 2  
 Configuration  
 Pulsar Level + 4500V  
 Data Link  
 Comments:

769



Date 6-5-85  
 Test Point 22R-CH-1/10-D  
 Amplification dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V (1000V) mV/div 1  
 Horizontal ns/div 2  
 Vertical ns/div 2  
 Configuration  
 Pulsar Level - 4500V  
 Data Link  
 Comments:

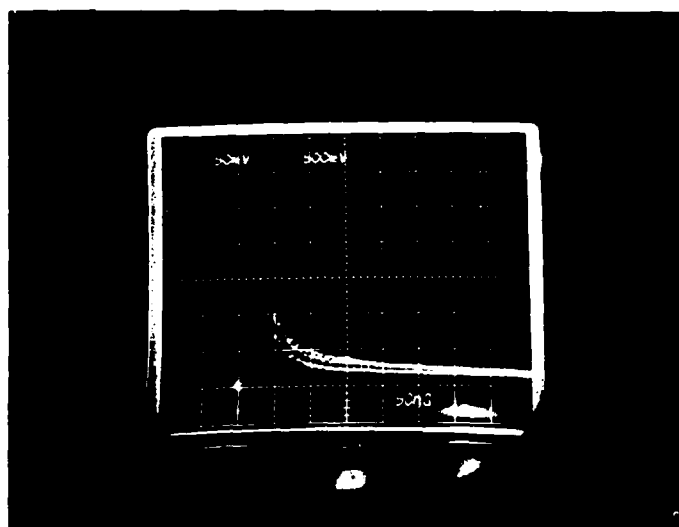
770



Date 6-5-85  
 Test Point 22-CH-1/10-D  
 Amplification dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical 5V(1000) mV/div 1  
 Horizontal .05V(100V) ns/div 2  
 Vertical ns/div 2  
 Configuration  
 Pulsar Level +4500V  
 Data Link  
 Comments:

771

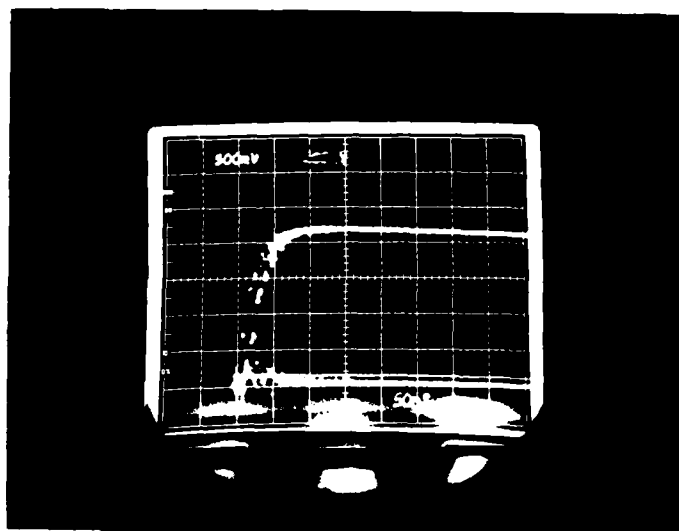
.05V(100V)/DIV



Date 6-5-85  
 Test Point 22R-CH-1/10-D  
 Amplification dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V(1000) mV/div 1  
 Horizontal ns/div 2  
 Vertical ns/div 2  
 Configuration  
 Pulsar Level -4500V  
 Data Link  
 Comments:

Date	6-5-85
Test Point	22-CH-1/10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500 V
Data Link	
Comments:	

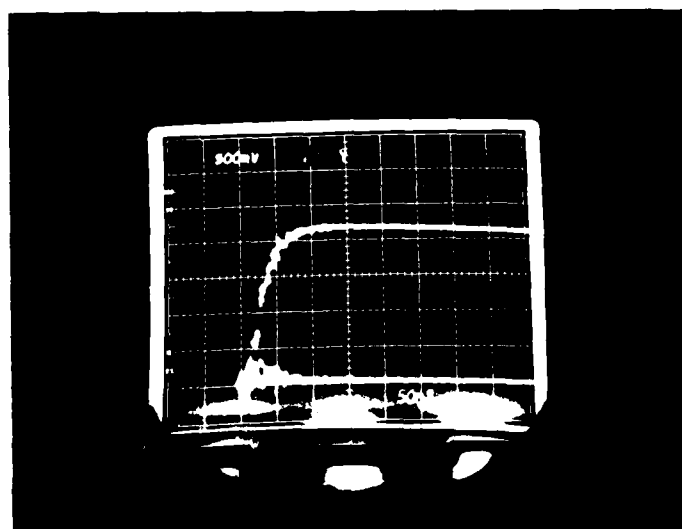
772



772

Date	6-5-85
Test Point	22R-CH-1/10-E
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500 V
Data Link	
Comments:	

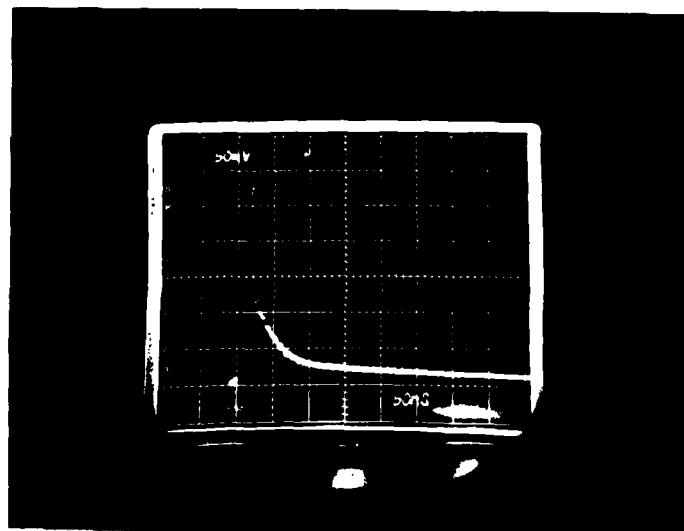
773



773



Date 6-5-85  
 Test Point 22R-CH-1/10-E  
 Amplification dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .05V (100V) mV/div 1  
 Horizontal ns/div 2  
 Vertical ns/div 2  
 Configuration  
 Pulser Level -4500V  
 Data Link  
 Comments: 774

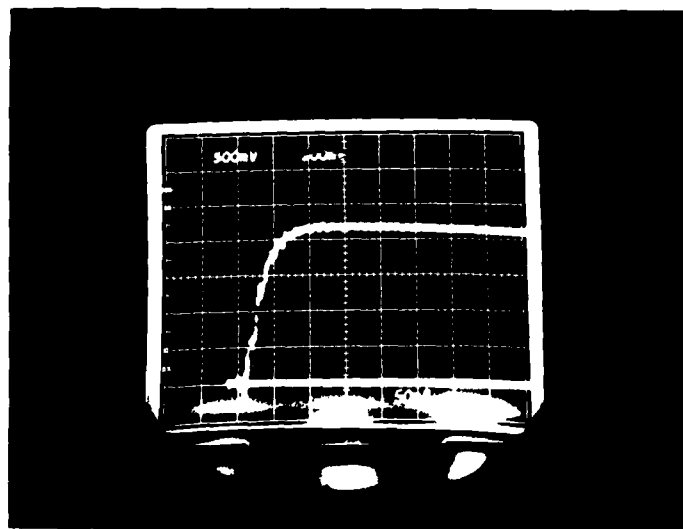


774

Date  
 Test Point  
 Amplification dB  
 Attenuation dB  
 Horizontal ns/div 1  
 Vertical mV/div 1  
 Horizontal ns/div 2  
 Vertical ns/div 2  
 Configuration  
 Pulser Level  
 Data Link  
 Comments:

Date **6-5-85**  
 Test Point **23-CH-1/10-A**  
 Amplification **0 dB**  
 Attenuation **20 dB**  
 Horizontal **50 ns/div 1**  
 Vertical **.5V(1000V) mV/div 1**  
 Horizontal **ns/div 2**  
 Vertical **ns/div 2**  
 Configuration  
 Pulsar Level **+4500V**  
 Data Link  
 Comments:

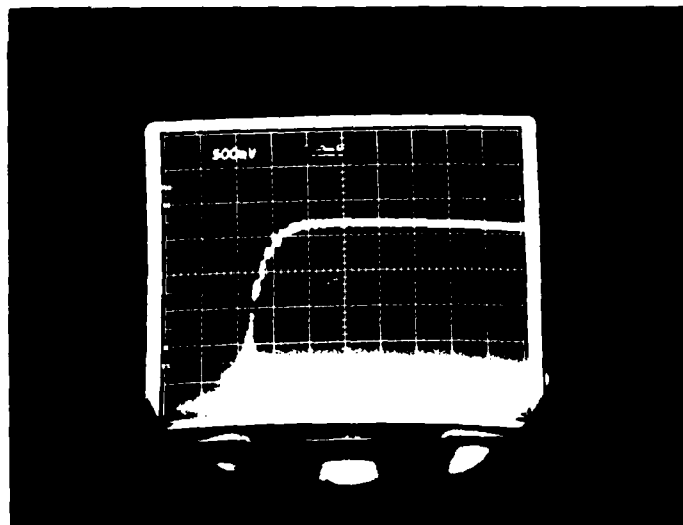
775



775

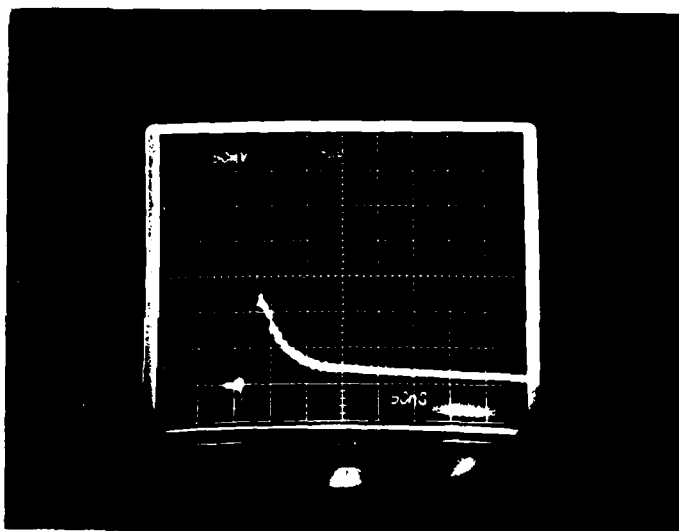
Date **5-6-85**  
 Test Point **23R-CH-1/10-A**  
 Amplification **dB**  
 Attenuation **20 dB**  
 Horizontal **50 ns/div 1**  
 Vertical **.5V(1000V) mV/div 1**  
 Horizontal **ns/div 2**  
 Vertical **ns/div 2**  
 Configuration  
 Pulsar Level **-4500V**  
 Data Link  
 Comments:

776



776

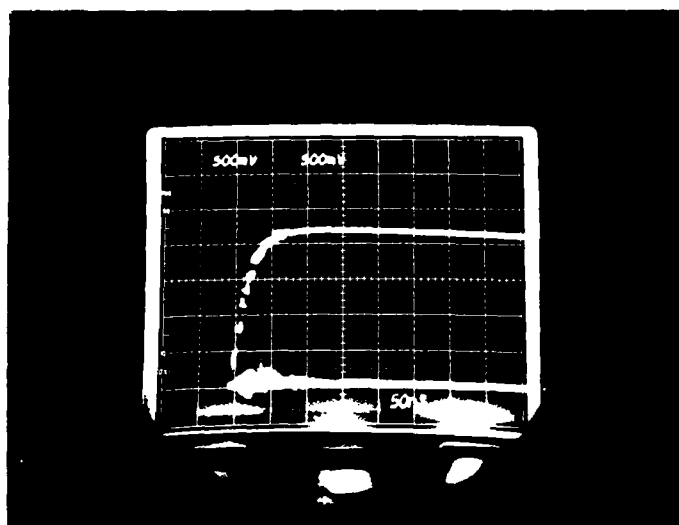
Date	6-5-85
Test Point	23 -CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	4500V
Data Link	
Comments:	777



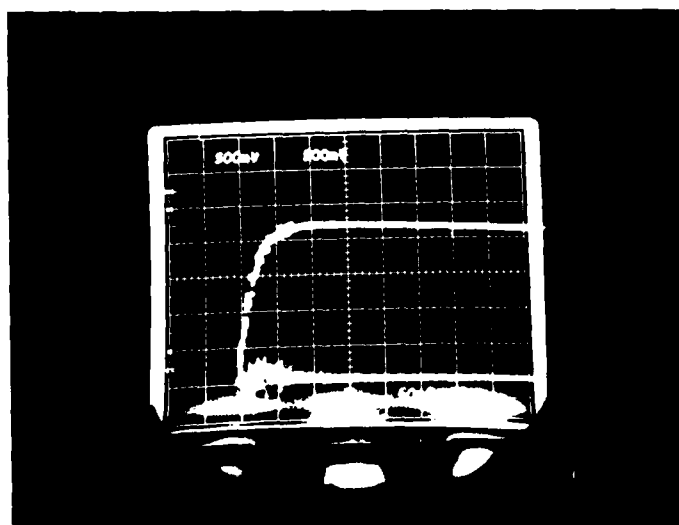
777

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

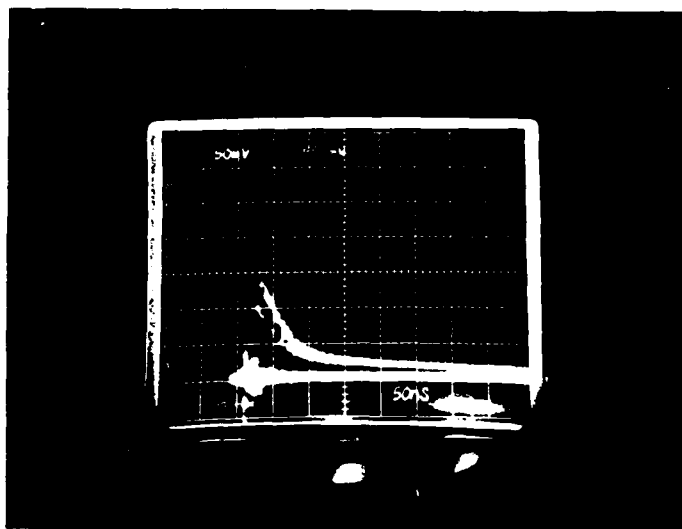
Date	6-5-85
Test Point	23-CH-100-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	+4500 V
Data Link	
Comments:	766



Date	6-5-85
Test Point	23R-CH-110-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	-4500V
Data Link	
Comments:	767



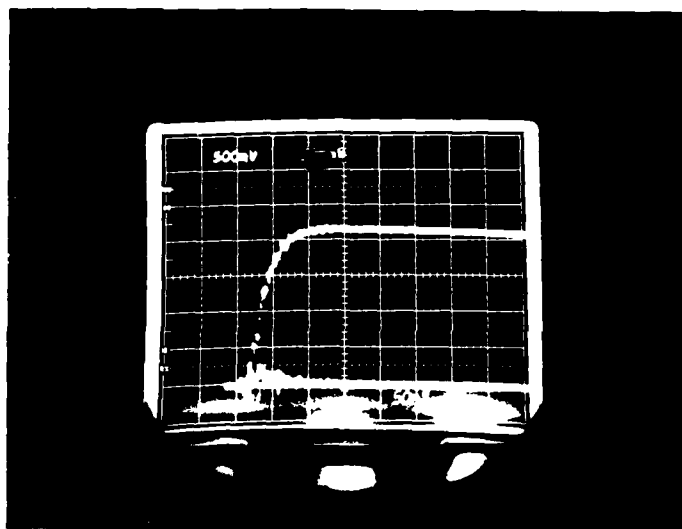
Date	6-5-85
Test Point	23R-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500 V
Data Link	
Comments:	7



Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date	6-5-85
Test Point	23-CH-1/10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500 V
Data Link	
Comments:	

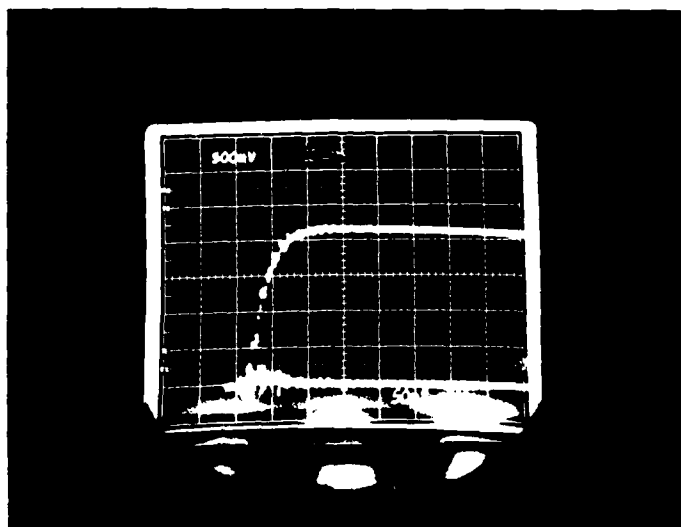
775



778

Date	6-5-85
Test Point	22R-CH-1/10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	

777



779

NO-A164 433

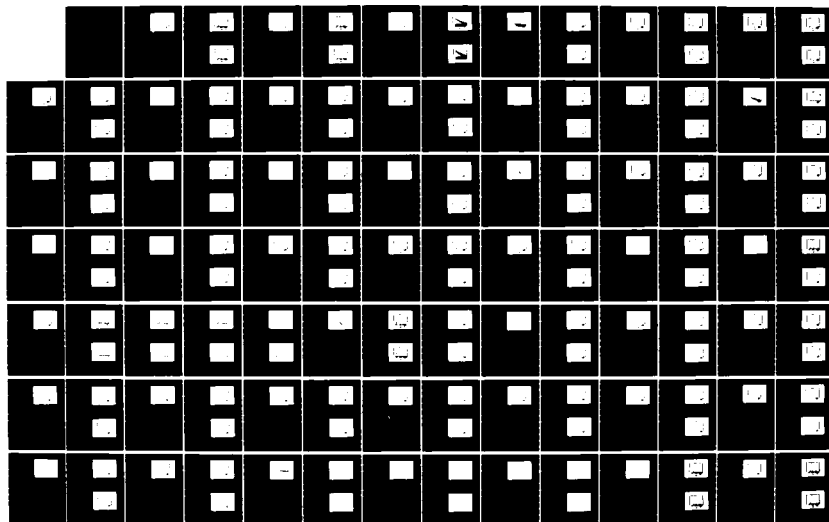
ELECTROMAGNETIC PULSE/TRANSIENT THREAT TESTING OF  
PROTECTION DEVICES FOR. (U) ELECTROSPACE SYSTEMS INC  
ARLINGTON VA D BODSON ET AL. 31 OCT 85

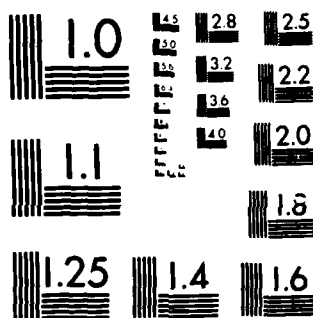
2/3

UNCLASSIFIED

NCS-T1B-85-10-VOL-3-SEC-2 DCA100-85-C-0010 F/G 20/14

ML

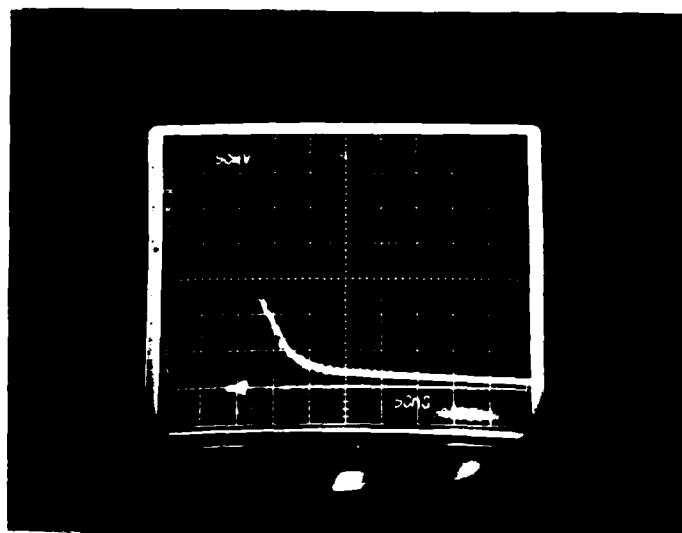




MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A



Date	6-5-85
Test Point	23 - CH - 1/10-C
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V(100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	4500 V
Data Link	
Comments:	

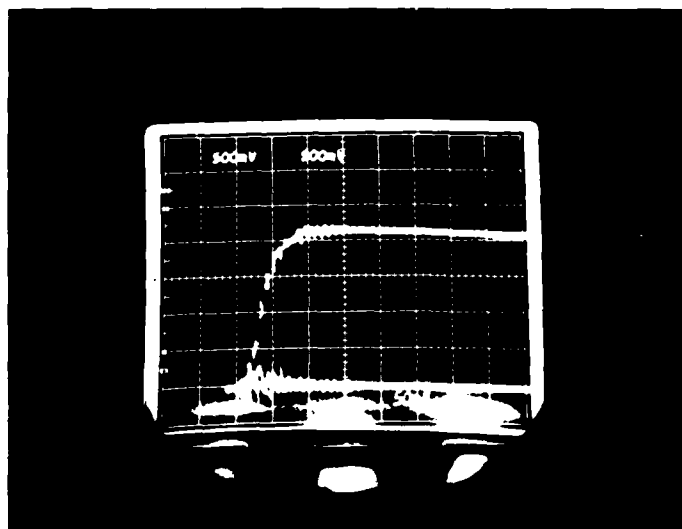


780

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date	6-5-85
Test Point	23-CH-1/10-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000) $\mu$ V/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Date Link	
Comments:	

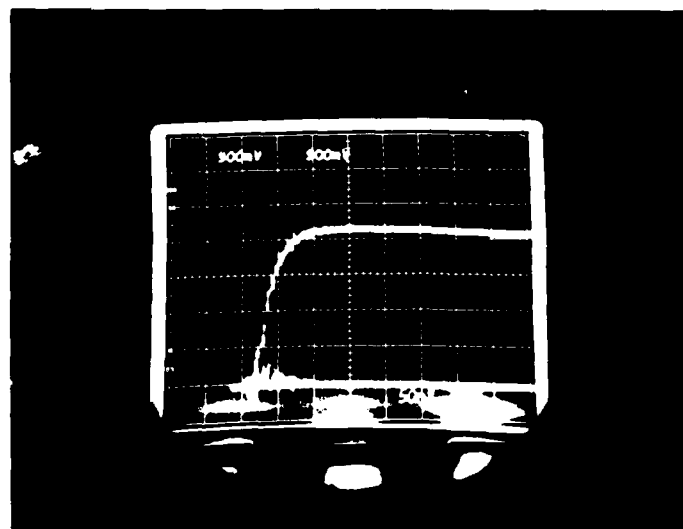
751



781

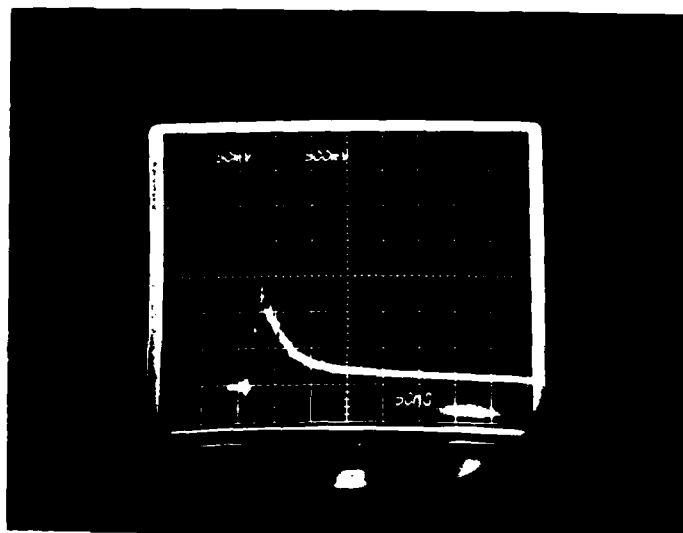
Date	6-5-85
Test Point	23R-CH-1/10-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000) $\mu$ V/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	- 4500V
Date Link	
Comments:	

752



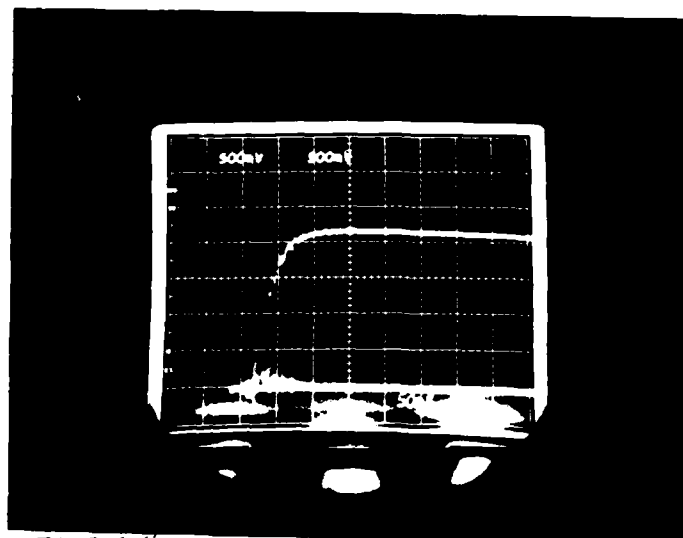
783

Date	6-5-85	
Test Point	23 CH-Y10-D	
Amplification	0 dB	
Attenuation	20 dB	
Horizontal	50	ns/div 1
Vertical	.05V(100V)	mV/div 1
Horizontal		ns/div 2
Vertical		ns/div 2
Configuration		
Pulser Level	4500 V	
Data Link		
Comments:	152	

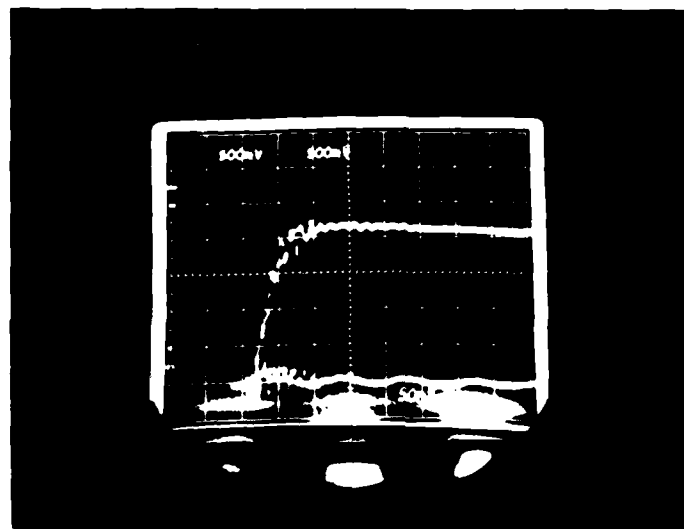


Date		
Test Point		
Amplification	dB	
Attenuation	dB	
Horizontal		ns/div 1
Vertical		mV/div 1
Horizontal		ns/div 2
Vertical		ns/div 2
Configuration		
Pulser Level		
Data Link		
Comments:		

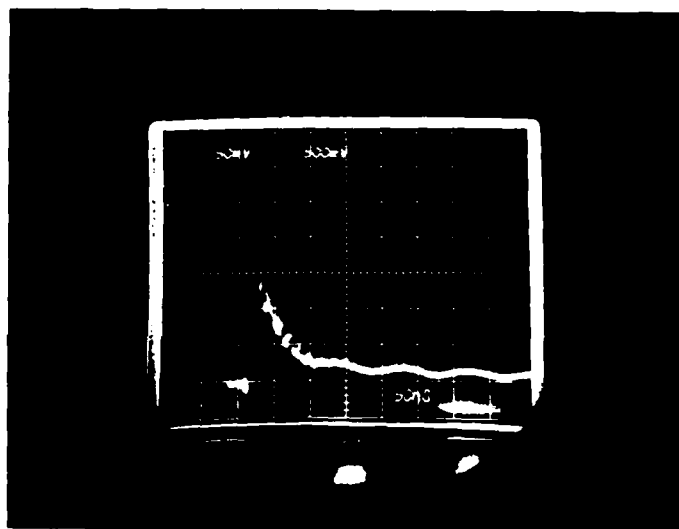
Date	6-5-85
Test Point	23-CH-1/10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	5V(1000) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	721



Date	6-5-85
Test Point	23R-CH-1/10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	5V(1000) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	- 4500V
Data Link	
Comments:	715



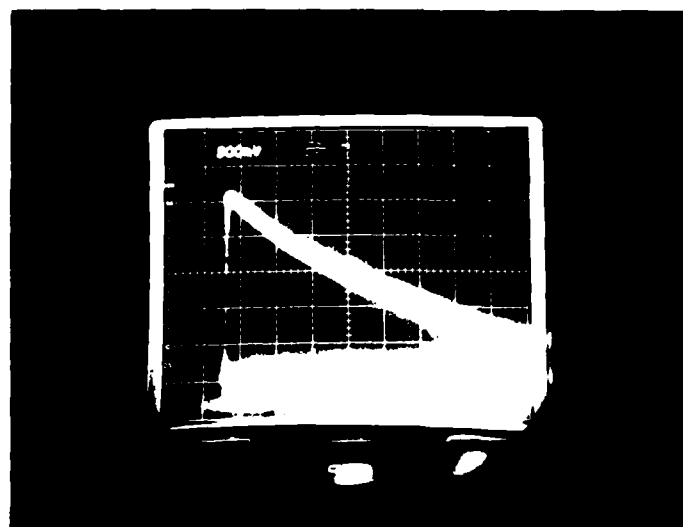
Date	6-5-85		
Test Point	23 - CH-410-E		
Amplification	dB		
Attenuation	20 dB		
Horizontal	50	ns/div	1
Vertical	.05K(100V)	ns/div	1
Horizontal		ns/div	2
Vertical		ns/div	2
Configuration			
Pulser Level	4500V		
Data Link			
Comments:			



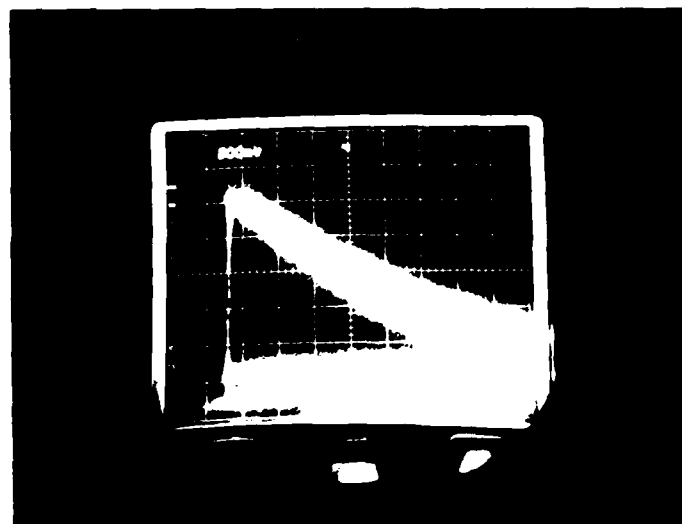
786

Date			
Test Point			
Amplification	dB		
Attenuation	dB		
Horizontal		ns/div	1
Vertical		mV/div	1
Horizontal		ns/div	2
Vertical		ns/div	2
Configuration			
Pulser Level			
Data Link			
Comments:			

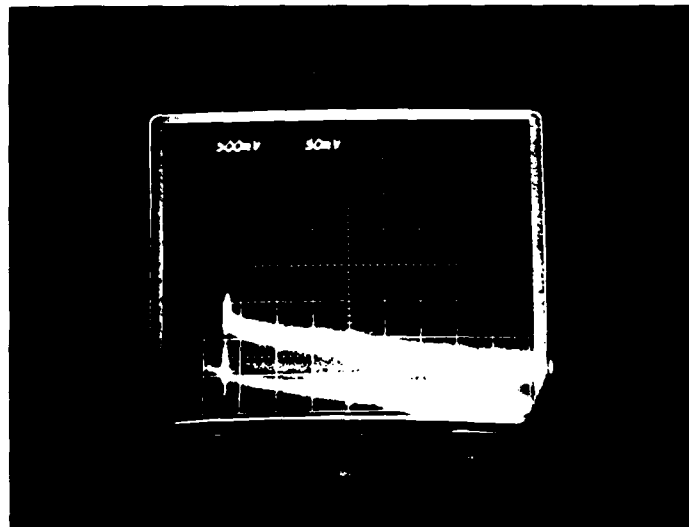
Date 6-6-85  
 Test Point 25-CH-1/10-A  
 Amplification 0 dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V (860V) mV/div 1  
 Horizontal ns/div 2  
 Vertical (860V) ns/div 2  
 Configuration  
 Pulsar Level +4500V  
 Data Link  
 Comments:



Date 6-6-85  
 Test Point 25R-CH-1/10-A  
 Amplification 0 dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V (860V) mV/div 1  
 Horizontal ns/div 2  
 Vertical 860V ns/div 2  
 Configuration  
 Pulsar Level -4500V  
 Data Link  
 Comments:



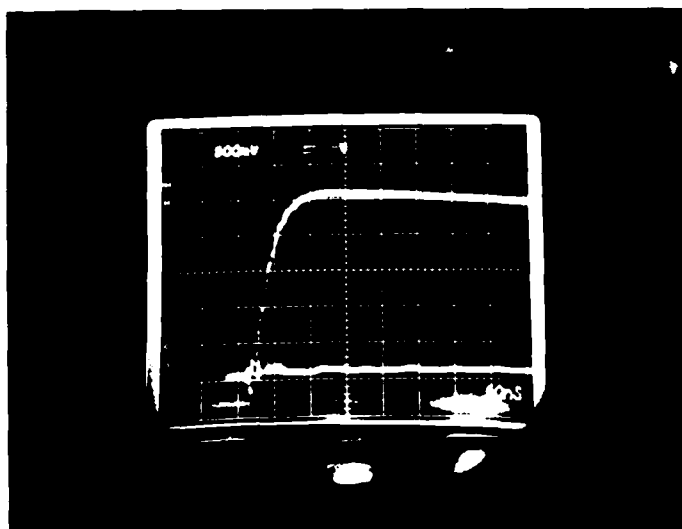
Date 6-6-85  
 Test Point 25-CH-1/10-A  
 Amplification 0 dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical 105K(86V) mV/div 1  
 Horizontal        ns/div 2  
 Vertical (86V) ~~mV~~/div 2  
 Configuration  
 Pulsar Level + 4500V  
 Data Link  
 Comments: 352



352

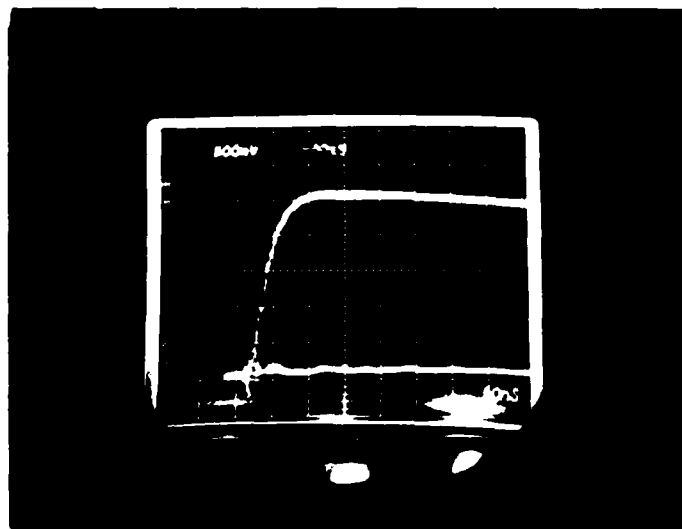
Date  
 Test Point  
 Amplification dB  
 Attenuation dB  
 Horizontal ns/div 1  
 Vertical mV/div 1  
 Horizontal ns/div 2  
 Vertical ns/div 2  
 Configuration  
 Pulsar Level  
 Data Link  
 Comments:

Date 6-6-85  
 Test Point 25-CH-1/10-B  
 Amplification 0 dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V (860V) mV/div 1  
 Horizontal ns/div 2  
 Vertical 860V mV/div 2  
 Configuration  
 Pulsar Level + 4500V  
 Data Link  
 Comments:



883

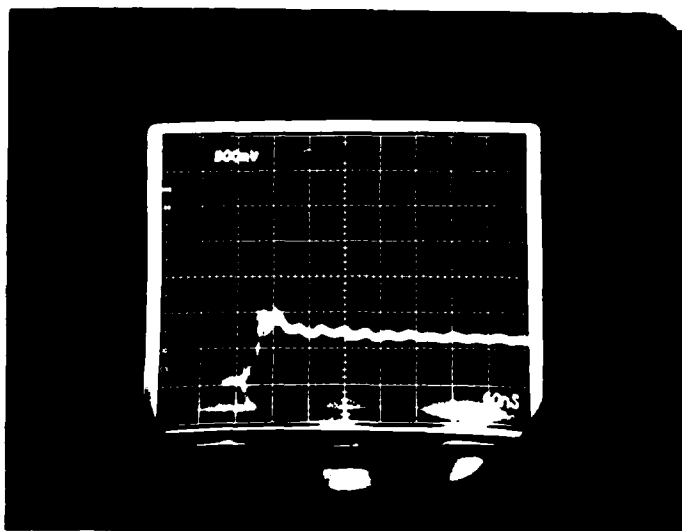
Date 6-6-85  
 Test Point 25R-CH-1/10-B  
 Amplification 0 dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V (860V) mV/div 1  
 Horizontal ns/div 2  
 Vertical 860V mV/div 2  
 Configuration  
 Pulsar Level - 4500V  
 Data Link  
 Comments:



884



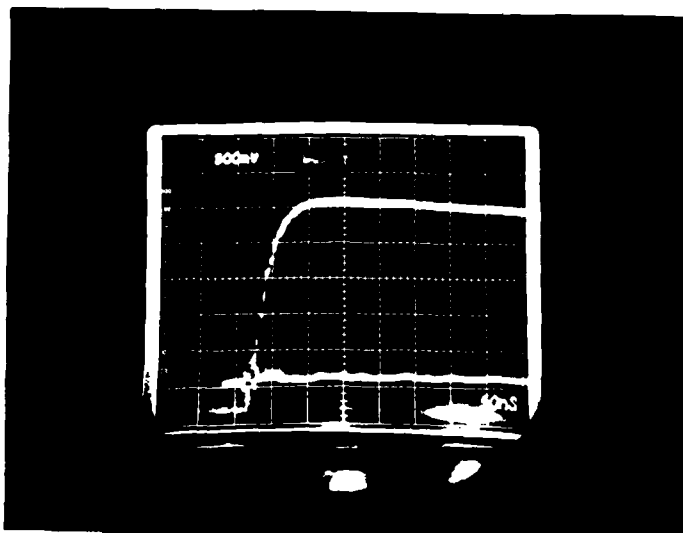
Date	6-6-85
Test Point	25-CH-110-B
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	105V (86V) mV/div 1
Horizontal	ns/div 2
Vertical	86V mV/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



885

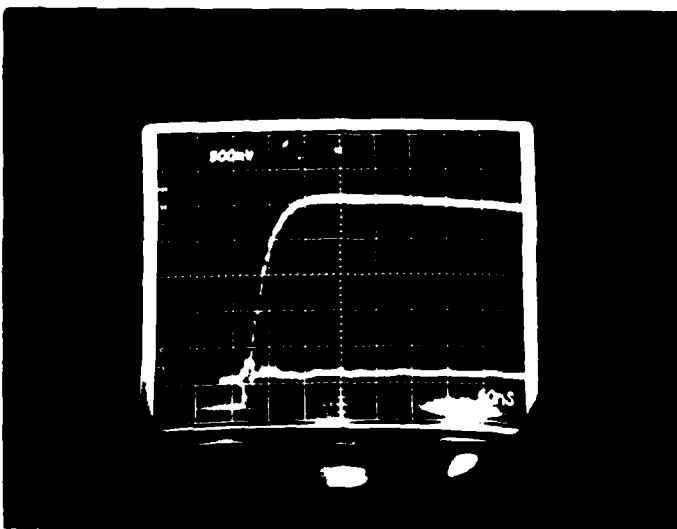
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date 6-6-85  
 Test Point 25-CH-1/10-C  
 Amplification 0 dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V (860V) mV/div 1  
 Horizontal ns/div 2  
 Vertical 860V ns/div 2  
 Configuration  
 Pulsar Level + 4500V  
 Data Link  
 Comments: 266



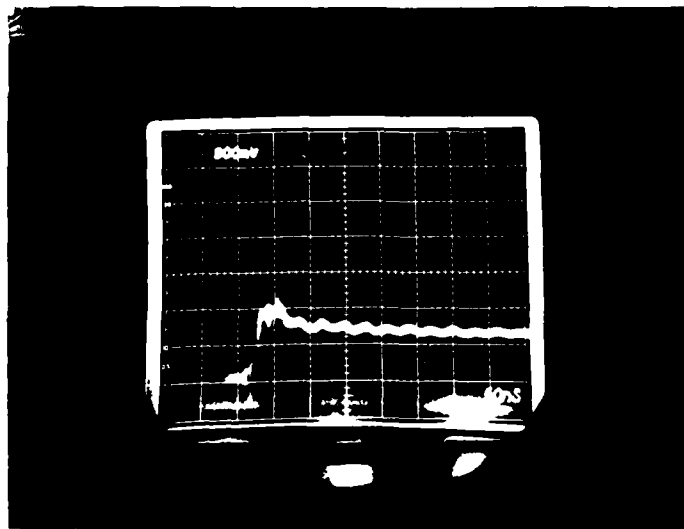
886

Date 6-6-85  
 Test Point 25R-CH-1/10-C  
 Amplification 0 dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V (860V) mV/div 1  
 Horizontal ns/div 2  
 Vertical (860V) ns/div 2  
 Configuration  
 Pulsar Level -4500V  
 Data Link  
 Comments: 267



887

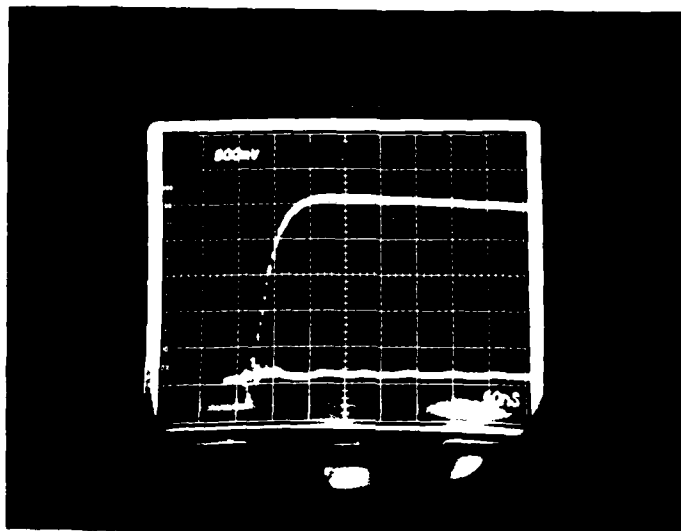
Date	6-6-85
Test Point	25-CH-Y10-C
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (86V) mV/div 1
Horizontal	ns/div 2
Vertical	(86V) ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	558



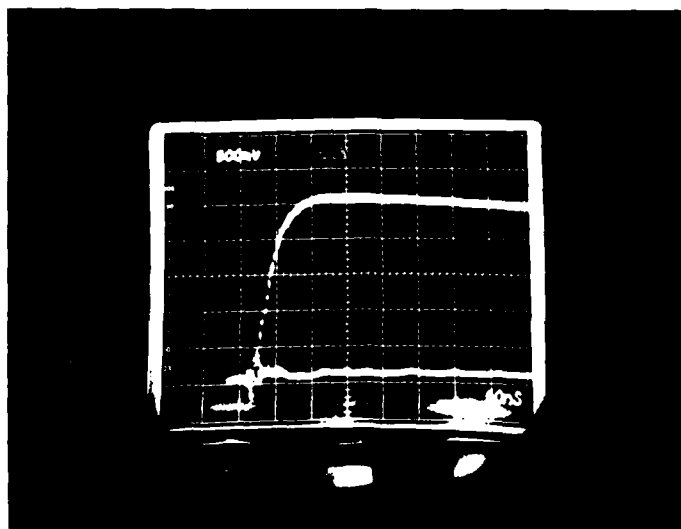
888

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

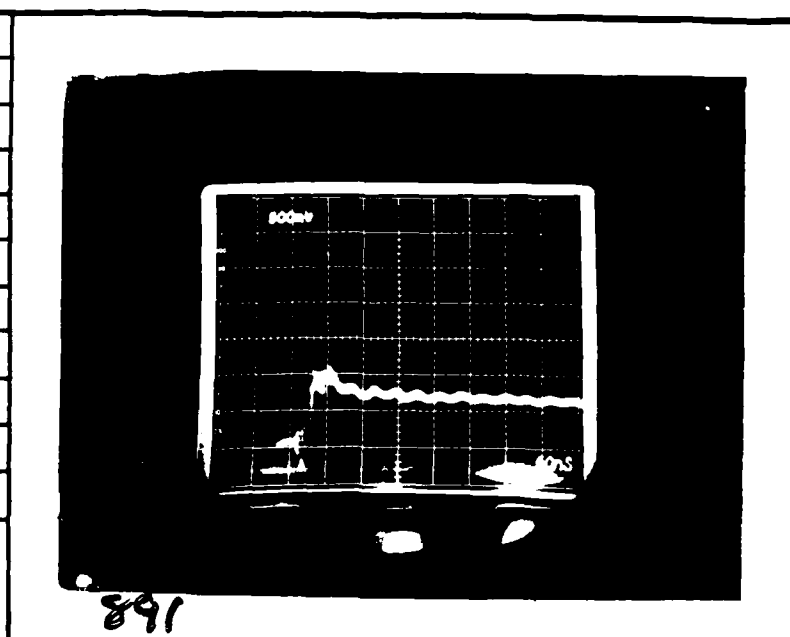
Date 6-6-85  
 Test Point 25-CH-1/10-D  
 Amplification 0 dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V (860V) mV/div 1  
 Horizontal ns/div 2  
 Vertical (860V) ns/div 2  
 Configuration  
 Pulsar Level +4500V  
 Data Link  
 Comments: 889



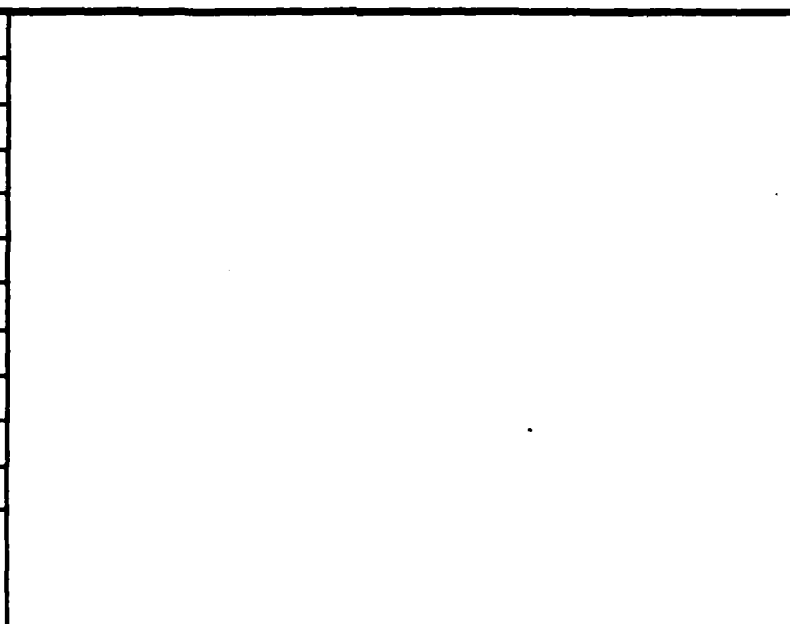
Date 6-6-85  
 Test Point 25R-CH-1/10-D  
 Amplification 0 dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V (860V) mV/div 1  
 Horizontal ns/div 2  
 Vertical (860V) ns/div 2  
 Configuration  
 Pulsar Level -4500V  
 Data Link  
 Comments: 890



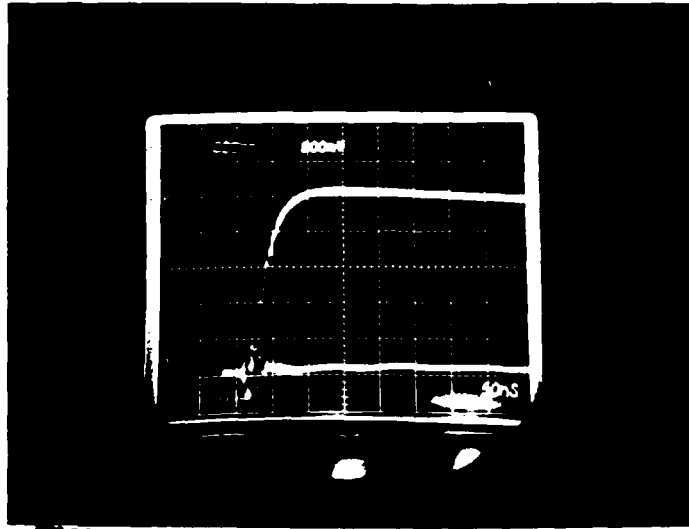
Date	6-6-85
Test Point	25-CH-110-D
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (86V) mV/div 1
Horizontal	ns/div 2
Vertical	(86V) ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	



Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

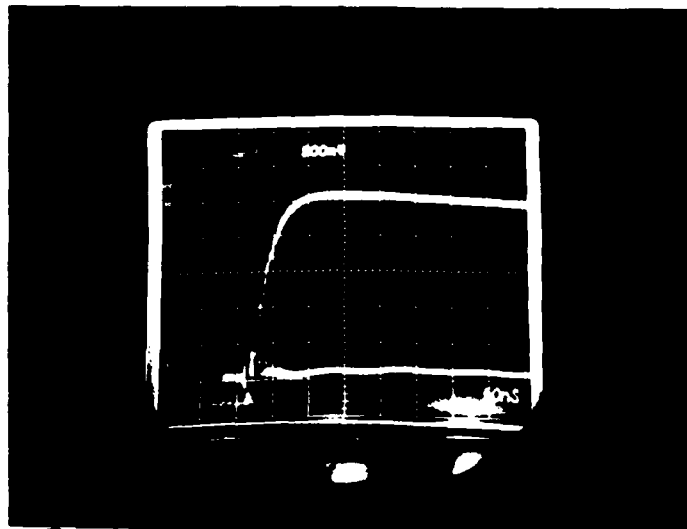


Date 6-6-85  
 Test Point 26-CH-1/10-A  
 Amplification 0 dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical 5V (860V) mV/div 1  
 Horizontal ns/div 2  
 Vertical (860V) ns/div 2  
 Configuration  
 Pulse Level +4500V  
 Data Link  
 Comments: 773



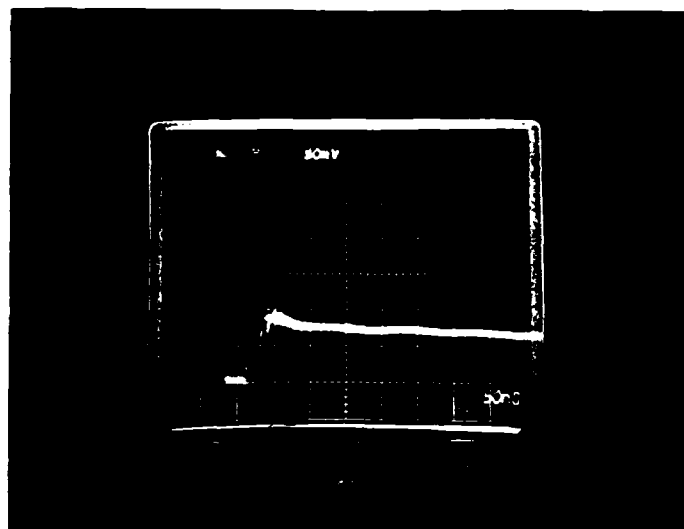
973

Date 6-6-85  
 Test Point 26R-CH-1/10-A  
 Amplification 0 dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical 5V (860V) mV/div 1  
 Horizontal ns/div 2  
 Vertical (860V) ns/div 2  
 Configuration  
 Pulse Level -4500V  
 Data Link  
 Comments: 174



974

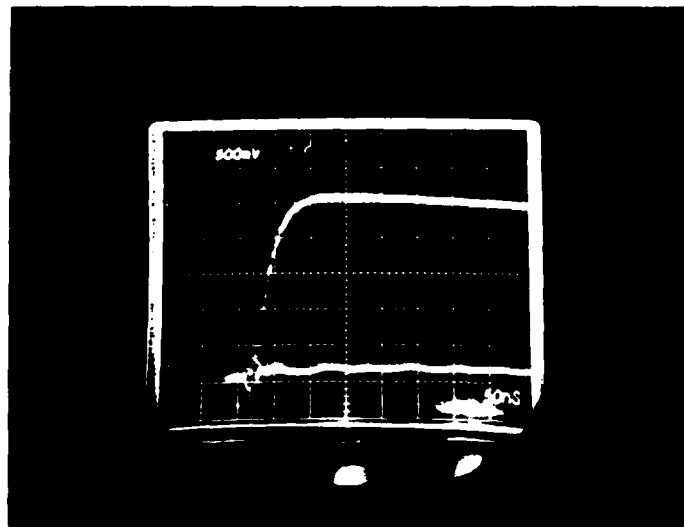
Date	6-6-85
Test Point	26-CH-1/10-A
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	0.05V (86V) mV/div 1
Horizontal	ns/div 2
Vertical	86V ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	



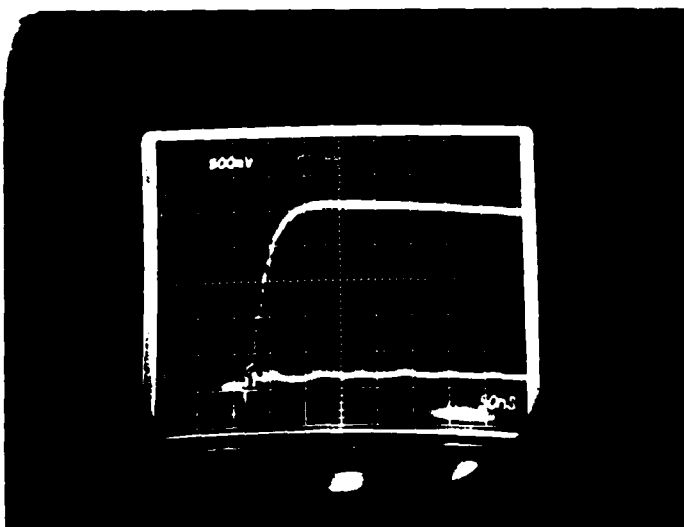
??5

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date 6-6-85  
 Test Point 27-CH-1/10-A  
 Amplification 0 dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V(860V) mV/div 1  
 Horizontal ns/div 2  
 Vertical (860V) ns/div 2  
 Configuration  
 Pulsar Level + 4500 V  
 Data Link  
 Comments: 772

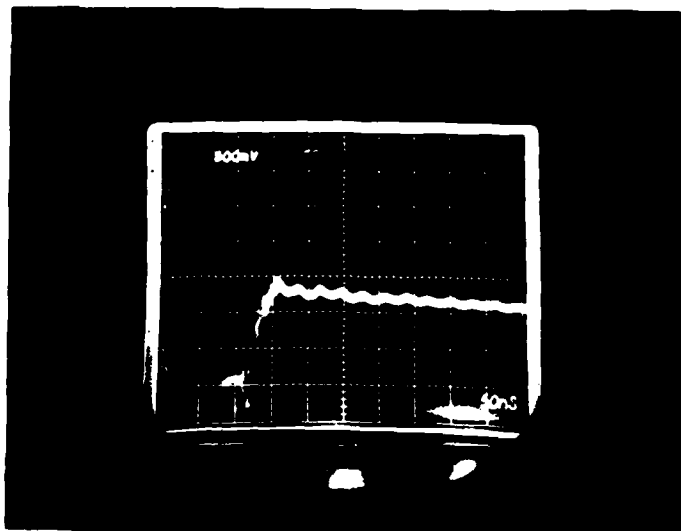


Date 6-6-85  
 Test Point 27R-CH-1/10-A  
 Amplification 0 dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V(860V) mV/div 1  
 Horizontal ns/div 2  
 Vertical (860V) ns/div 2  
 Configuration  
 Pulsar Level - 4500 V  
 Data Link  
 Comments: 772





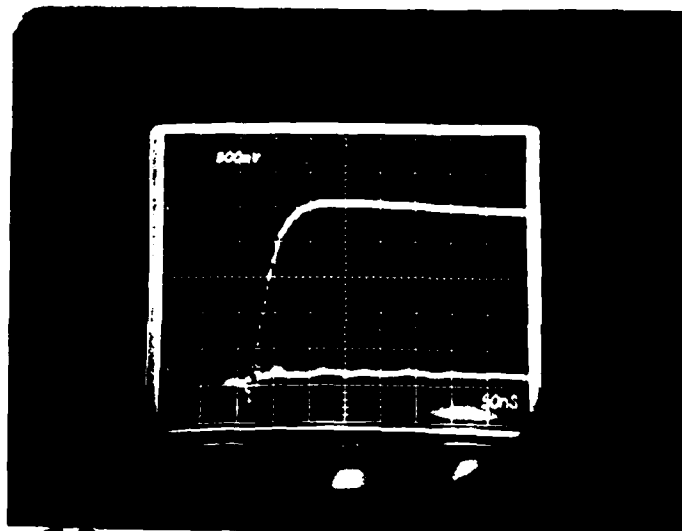
Date	6-6-85
Test Point	27-CH-1/10-A
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (86mV) mV/div 1
Horizontal	ns/div 2
Vertical	(86V) ns/div 2
Configuration	
Pulser Level	+ 4500 V
Data Link	
Comments:	874



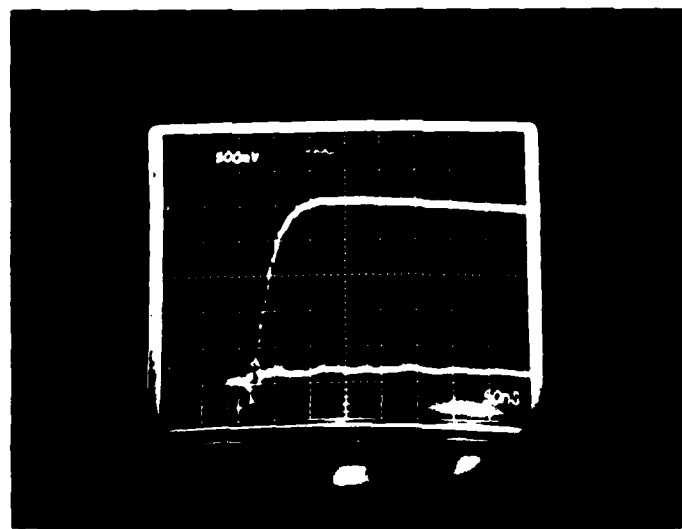
894

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

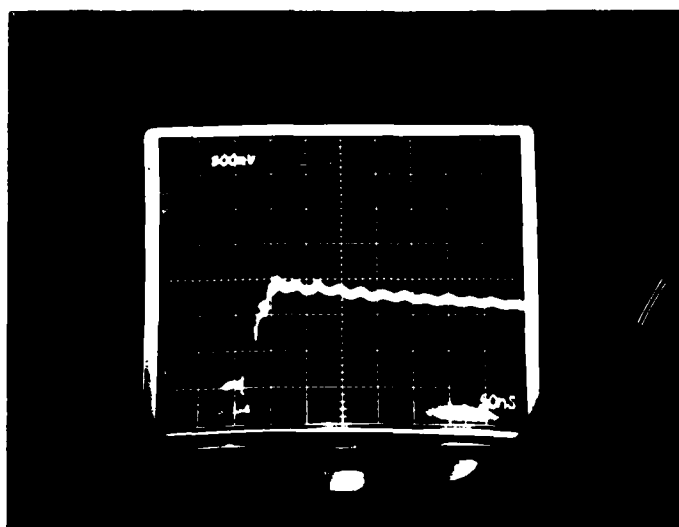
Date 6-6-85  
 Test Point 27-CH-1/10-B  
 Amplification 0 dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V (860V) mV/div 1  
 Horizontal ns/div 2  
 Vertical (860V) ns/div 2  
 Configuration  
 Pulsar Level + 4500V  
 Data Link  
 Comments:



Date 6-6-85  
 Test Point 27R-CH-1/10-B  
 Amplification 0 dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V (860V) mV/div 1  
 Horizontal ns/div 2  
 Vertical (860V) ns/div 2  
 Configuration  
 Pulsar Level - 4500V  
 Data Link  
 Comments:



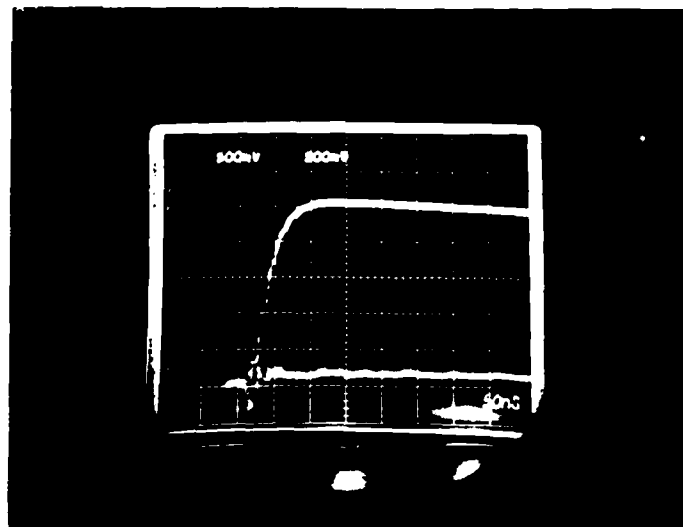
Date	6-6-85
Test Point	27-CH-1/10-1B
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (86V) mV/div 1
Horizontal	ns/div 2
Vertical	(86V) ns/div 2
Configuration	
Pulser Level	4500V
Data Link	
Comments:	377



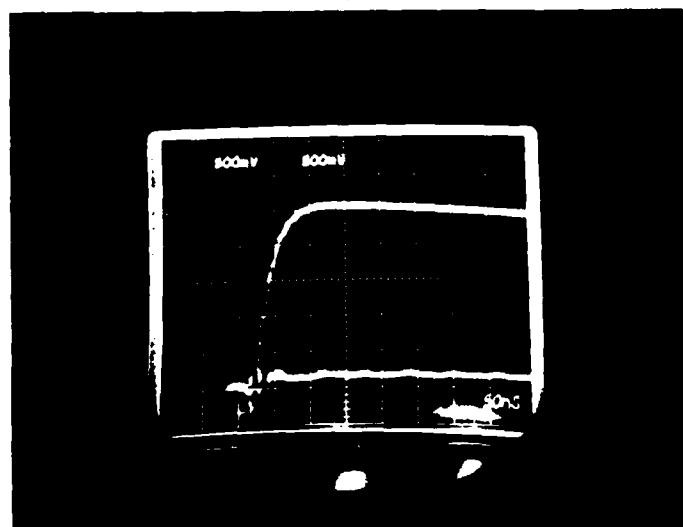
897

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

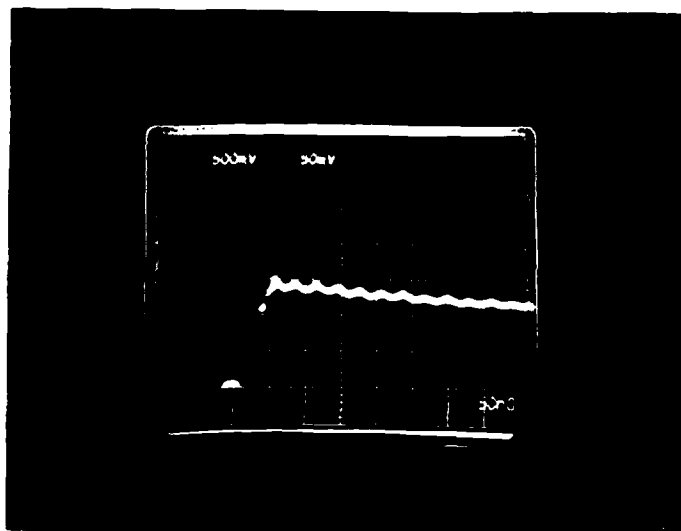
Date	6-6-85
Test Point	27-CH-1/10-C
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulser Level	4500V
Data Link	
Comments:	1 2 1



Date	6-6-85
Test Point	27R-CH-1/10-C
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	

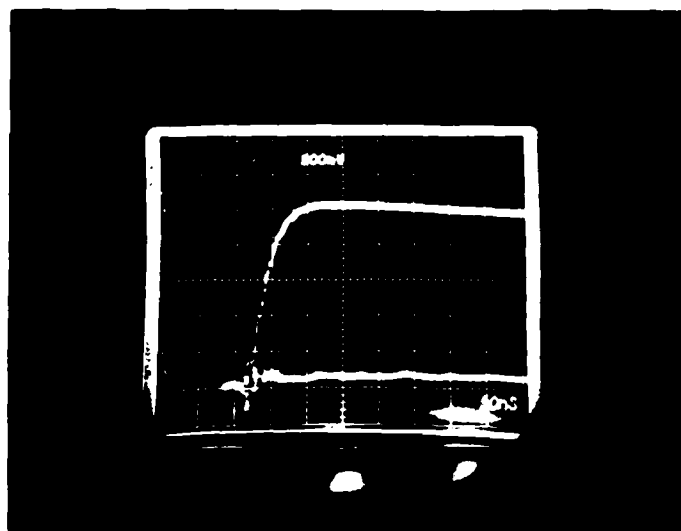


Date	6-6-85
Test Point	27-CH- 1/20- C
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	0.5V (86V) mV/div 1
Horizontal	ns/div 2
Vertical	(86V) ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	



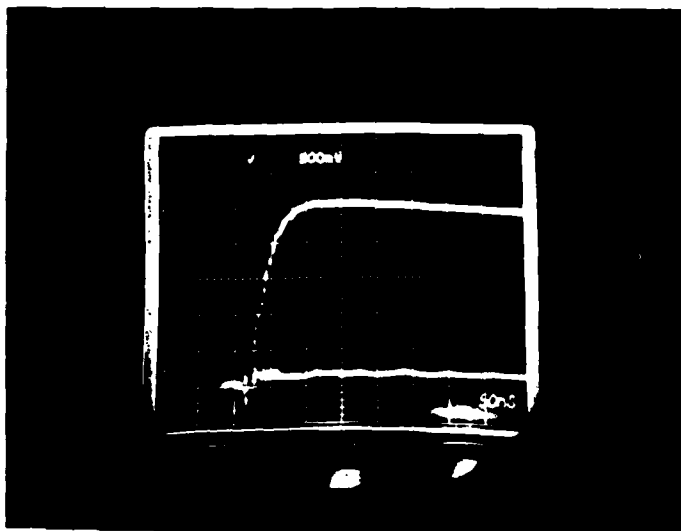
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date 6-6-85  
 Test Point 27-CH-1/10-D  
 Amplification 0 dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V (860V) mV/div 1  
 Horizontal ns/div 2  
 Vertical (860V) ns/div 2  
 Configuration  
 Pulsar Level +4500V  
 Data Link  
 Comments:



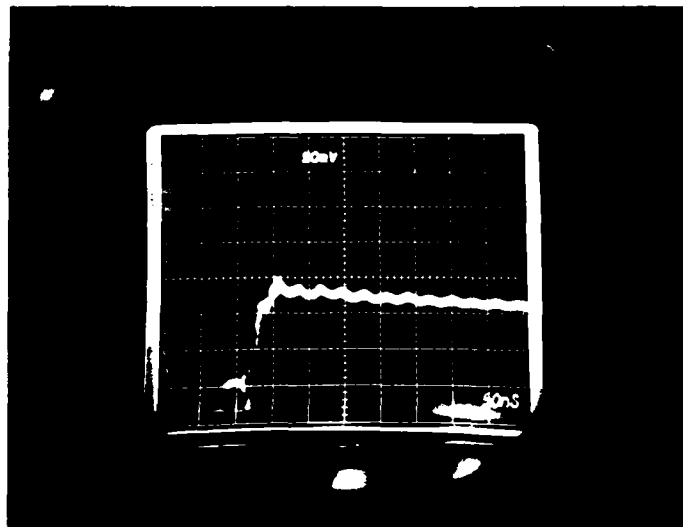
901

Date 6-6-85  
 Test Point 27R-CH-1/10-D  
 Amplification 0 dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V (860V) mV/div 1  
 Horizontal ns/div 2  
 Vertical (860V) ns/div 2  
 Configuration  
 Pulsar Level -4500V  
 Data Link  
 Comments:



902

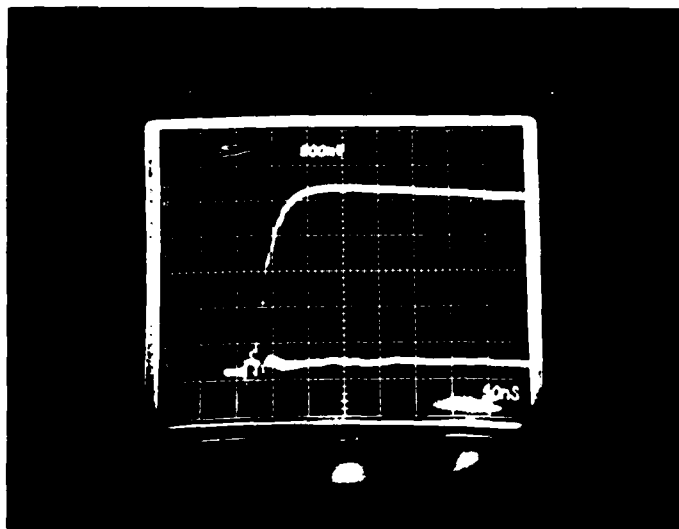
Date	6-6-85
Test Point	27-CH-1/10-D
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	105V (86V) mV/div 1
Horizontal	ns/div 2
Vertical	(86V) ns/div 2
Configuration	
Pulser Level	+4500 V
Data Link	
Comments:	



903

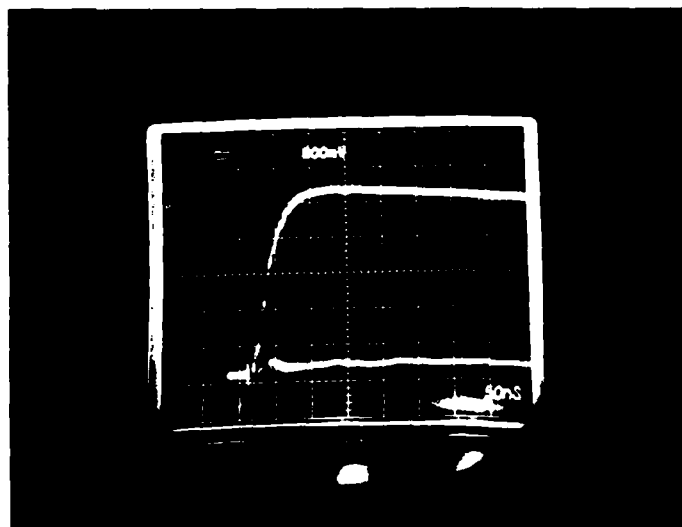
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date 6-6-85  
 Test Point 28-CH-1/10-A  
 Amplification 0 dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical 1.5V (860V) mV/div 1  
 Horizontal ns/div 2  
 Vertical (860V) ns/div 2  
 Configuration  
 Pulsar Level + 4500V  
 Data Link  
 Comments:



979

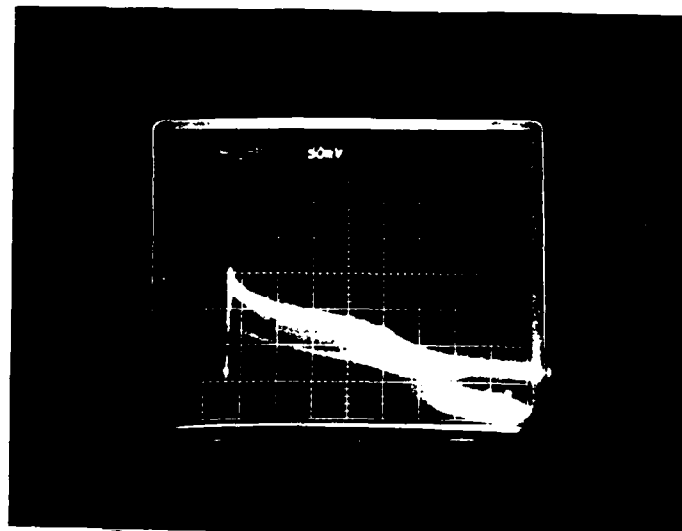
Date 6-6-85  
 Test Point 28R-CH-1/10-A  
 Amplification 0 dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical 1.5V (860V) mV/div 1  
 Horizontal ns/div 2  
 Vertical (860V) ns/div 2  
 Configuration  
 Pulsar Level - 4500V  
 Data Link  
 Comments:



980



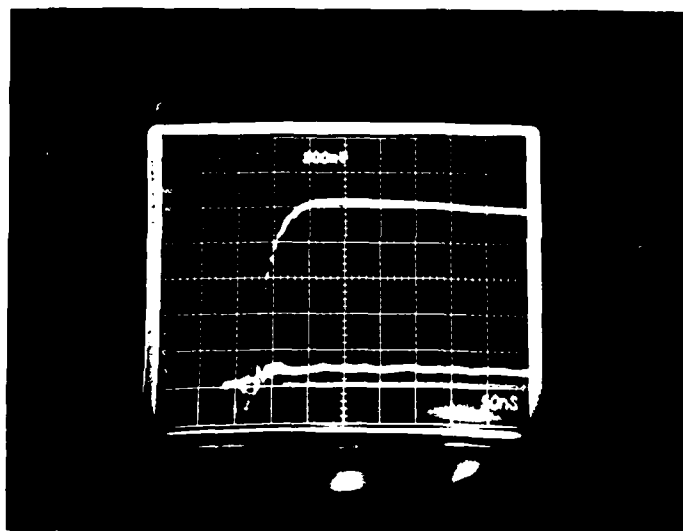
Date	6-6-85
Test Point	28-CH-1/10-4
Amplification	0 dB
Attenuation	20 dB
Horizontal	1 <del>ns</del> / div 1
Vertical	.05V (286V) mV/div 1
Horizontal	ns/div 2
Vertical	(86V) ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	727



981

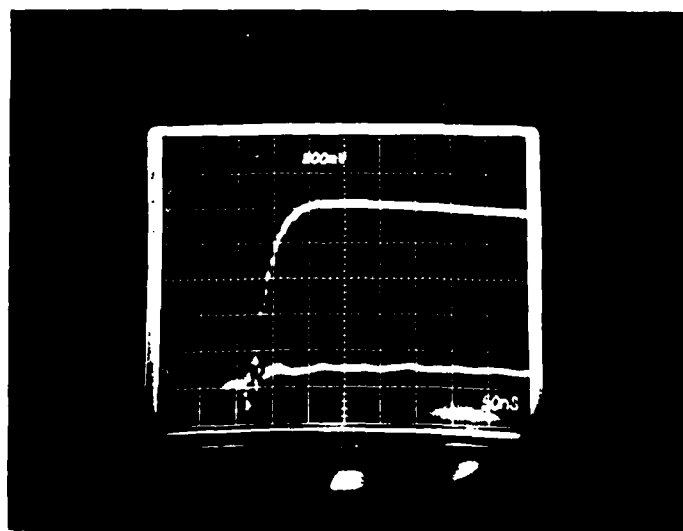
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date	6-6-85
Test Point	29-CH-1/10-A
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



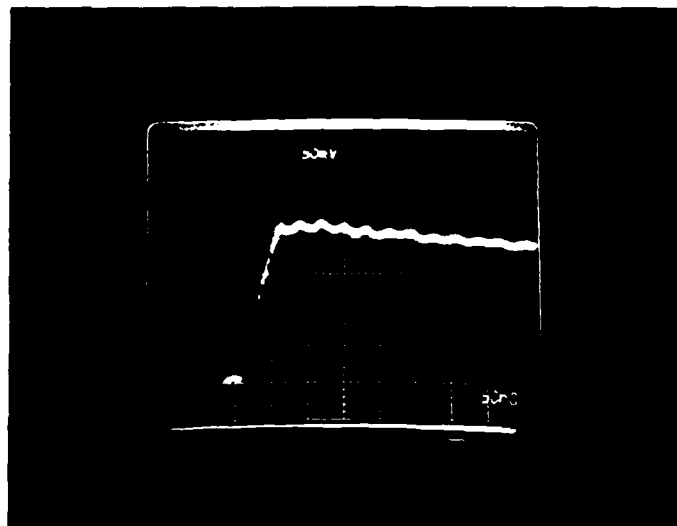
904

Date	6-6-85
Test Point	29R-CH-1/10-A
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



905

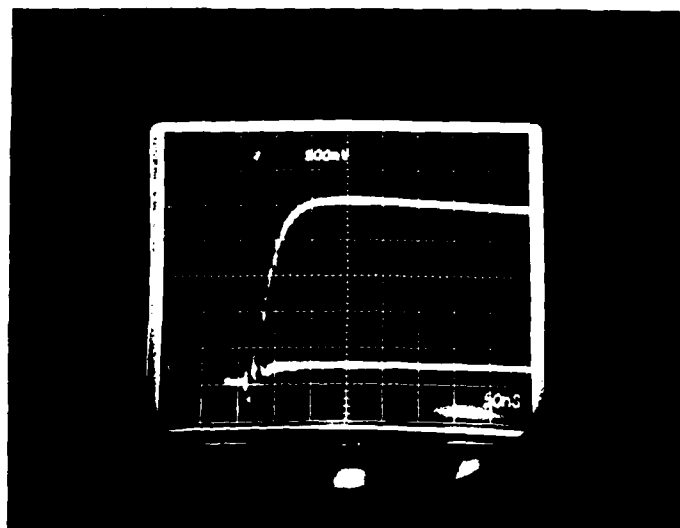
Date	6-6-85
Test Point	29-CH-1/10-A
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V(86V) mV/div 1
Horizontal	ns/div 2
Vertical	(86V) ns/div 2
Configuration	
Pulser Level	+ 4500 V
Data Link	
Comments:	



906

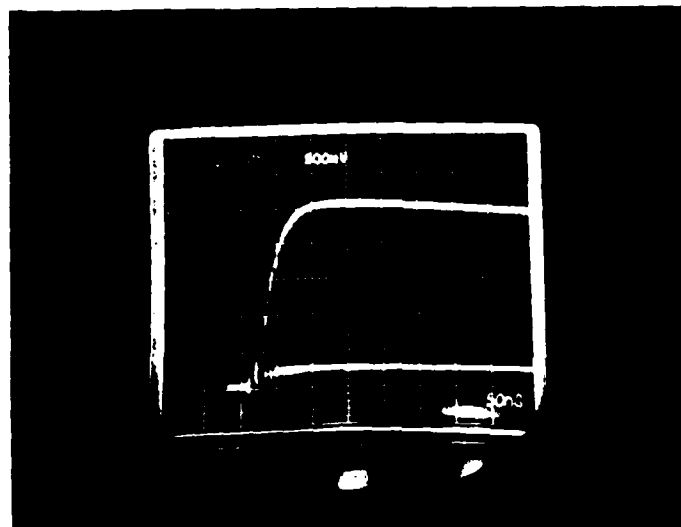
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date 6-6-85  
 Test Point 29-CH-1/10-B  
 Amplification 0 dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V (860V) mV/div 1  
 Horizontal ns/div 2  
 Vertical (860V) ns/div 2  
 Configuration  
 Pulsar Level + 4500V  
 Data Link  
 Comments:



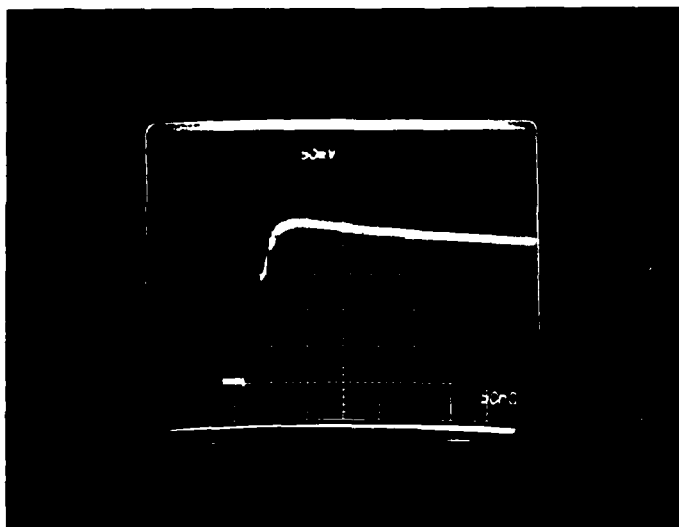
907

Date 6-6-85  
 Test Point 29R-CH-1/10-B  
 Amplification 0 dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V (860V) mV/div 1  
 Horizontal ns/div 2  
 Vertical (860V) ns/div 2  
 Configuration  
 Pulsar Level - 4500V  
 Data Link  
 Comments:



908

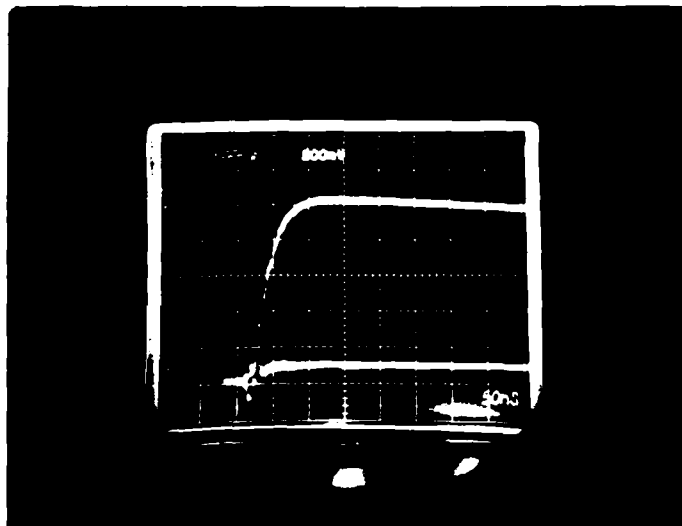
Date	6-6-85
Test Point	29-CH-1/10-B
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (86V) mV/div 1
Horizontal	ns/div 2
Vertical	(86V) ns/div 2
Configuration	
Pulser Level	4500 V
Data Link	
Comments:	



909

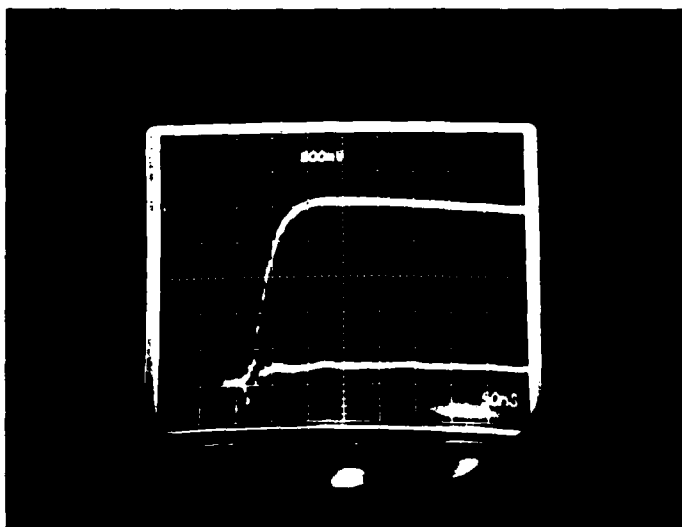
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date	6-6-85
Test Point	29-CH-1/10-C
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



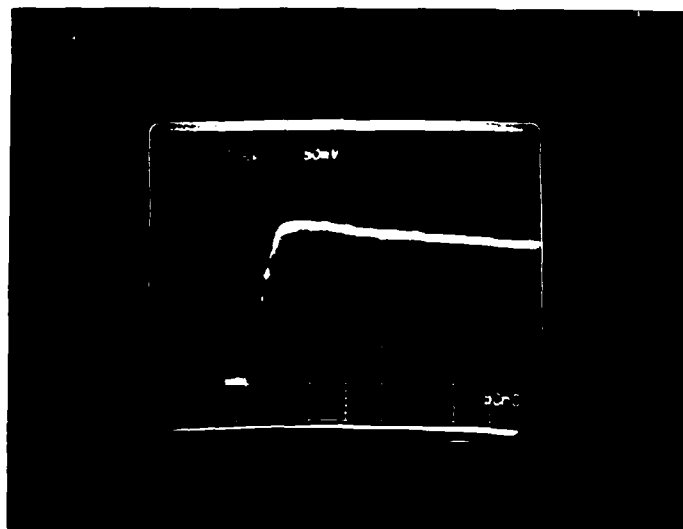
910

Date	6-6-85
Test Point	29R-CH-1/10-C
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	860V ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



911

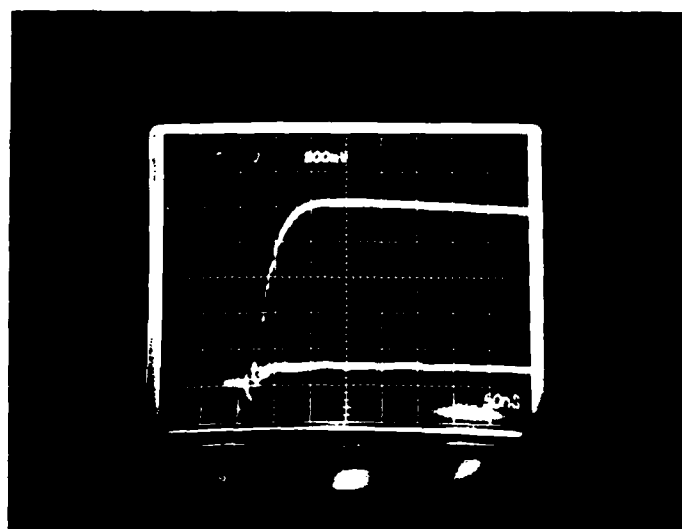
Date	6-6-85
Test Point	29-CH-1/10-L
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (886V) mV/div 1
Horizontal	ns/div 2
Vertical	(86V) ns/div 2
Configuration	
Pulser Level	4500V
Data Link	
Comments:	



912

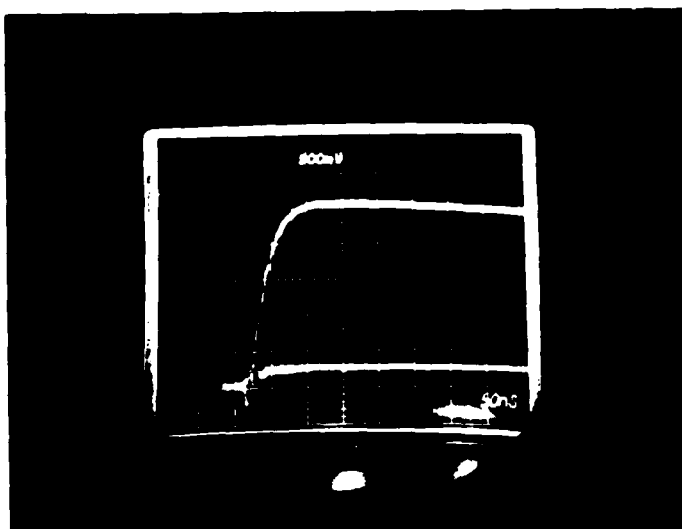
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date	6-6-85
Test Point	29-CH-1/10-D
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	860V ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



913

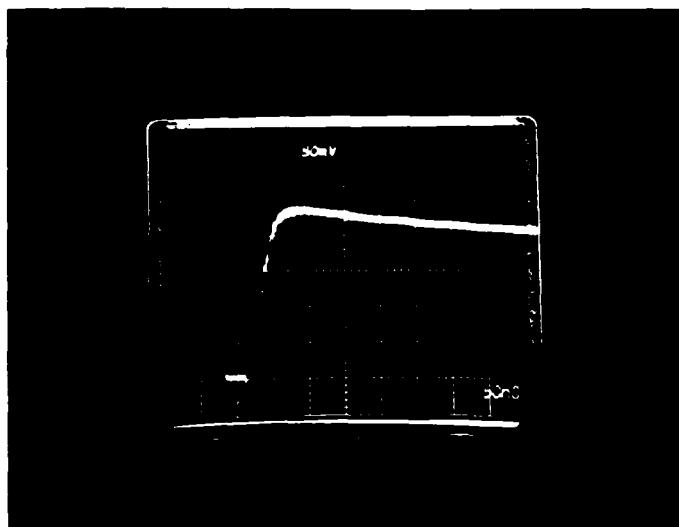
Date	6-6-85
Test Point	29R-CH-1/10-D
Amplification	0 dB
Attenuation	20 dB
Horizontal	<del>50 ns/div</del> 1
Vertical	<del>.5V (860V)</del> mV/div 1
Horizontal	50 ns/div 1
Vertical	.5V (860V) ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



914



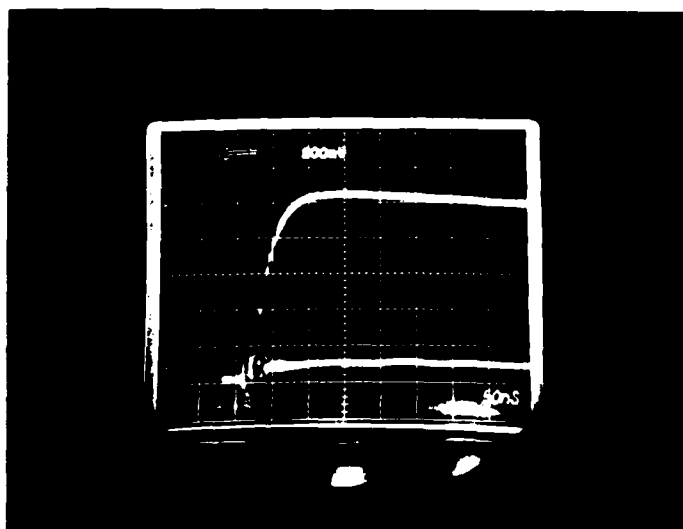
Date	6-6-85
Test Point	29-CH-1/10-D
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (806V) mV/div 1
Horizontal	ns/div 2
Vertical	(86V) ns/div 2
Configuration	
Pulse Level	4500V
Data Link	
Comments:	



915

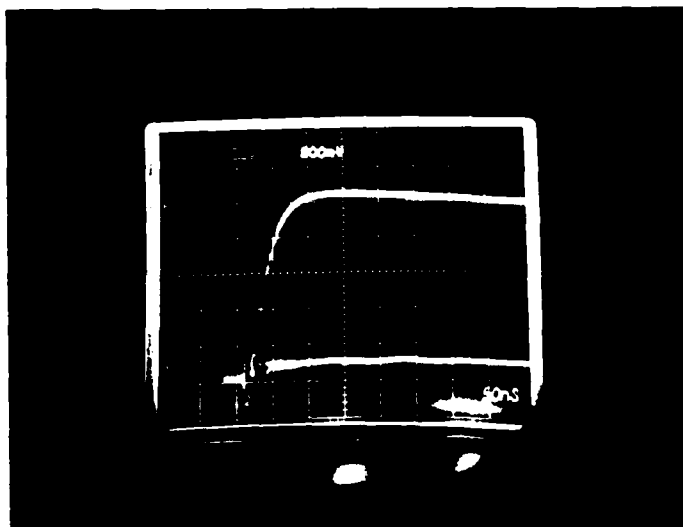
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	
Data Link	
Comments:	

Date	6-6-85
Test Point	30-CH-1/10-A
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulser Level	+ 4500V
Date Link	
Comments:	



976

Date	6-6-85
Test Point	30R-CH 1/10-A
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulser Level	- 4500V
Date Link	
Comments:	

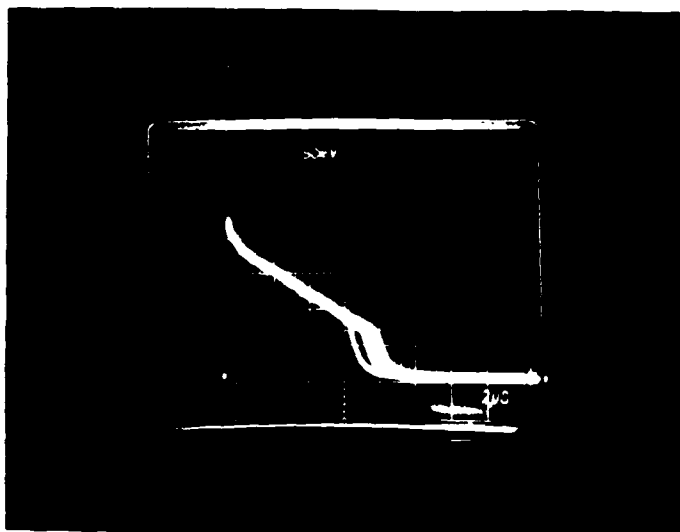


977

Date	6-6-85
Test Point	30-CH-1/10-A
Amplification	0 dB
Attenuation	20 dB
Horizontal	24.5 ns/div 1
Vertical	105V (86V) ns/div 1
Horizontal	ns/div 2
Vertical	(86V) ns/div 2
Configuration	
Pulser Level +	4500V
Date Link	

Comments:

978

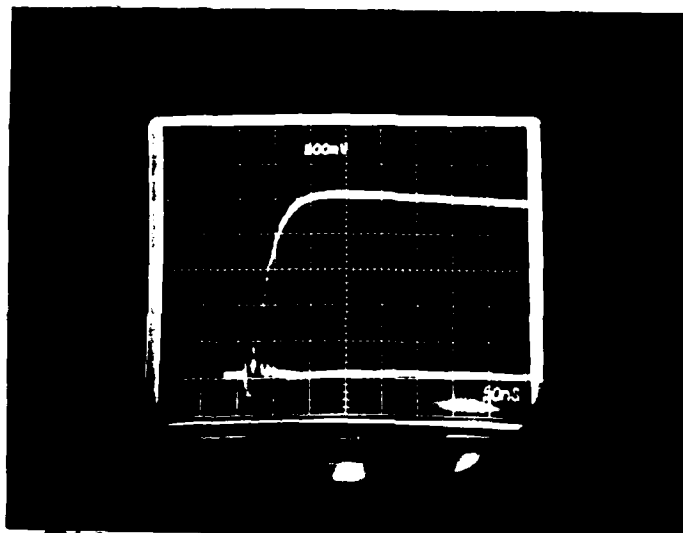


978

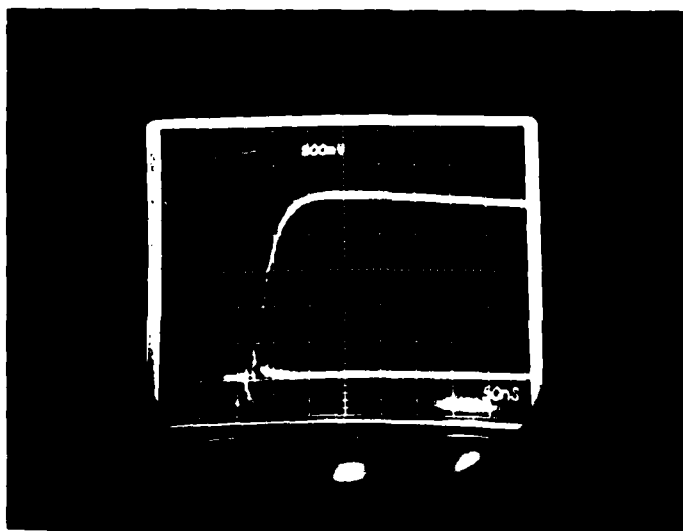
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Date Link	

Comments:

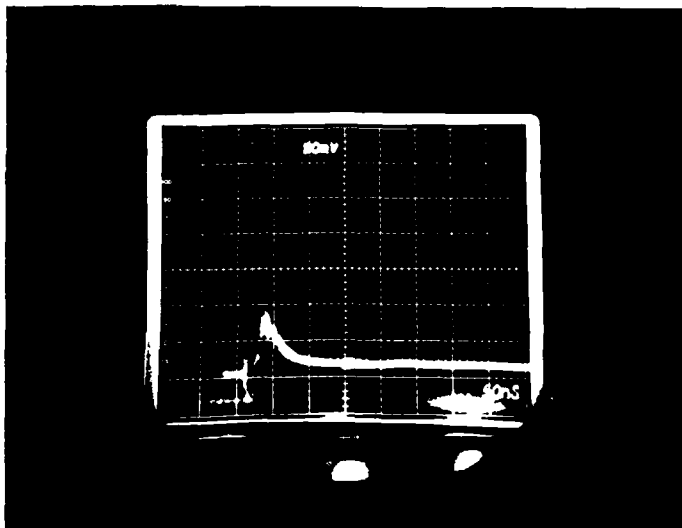
Date	6-6-85		
Test Point	32-CH-1/10-A		
Amplification	0	dB	
Attenuation	20	dB	
Horizontal	50	ns/div	1
Vertical	.5V (860V)	mV/div	1
Horizontal		ns/div	2
Vertical	(860V)	ns/div	2
Configuration			
Pulse Level	+ 4500V		
Data Link			
Comments:			



Date	6-6-85		
Test Point	32R-CH-1/10-A		
Amplification	0	dB	
Attenuation	20	dB	
Horizontal	50	ns/div	1
Vertical	.5V (860V)	mV/div	1
Horizontal		ns/div	2
Vertical	(860V)	ns/div	2
Configuration			
Pulse Level	- 4500V		
Data Link			
Comments:			



Date	6-6-85
Test Point	32 -CH- 110 - A
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (86V) mV/div 1
Horizontal	ns/div 2
Vertical	86V ns/div 2
Configuration	
Pulser Level	4500V
Data Link	
Comments:	



71B

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date 6-6-85

Test Point 32-CH-110-B

Amplification 0 dB

Attenuation 20 dB

Horizontal 50 ns/div 1

Vertical .5V(860V) mV/div 1

Horizontal ns/div 2

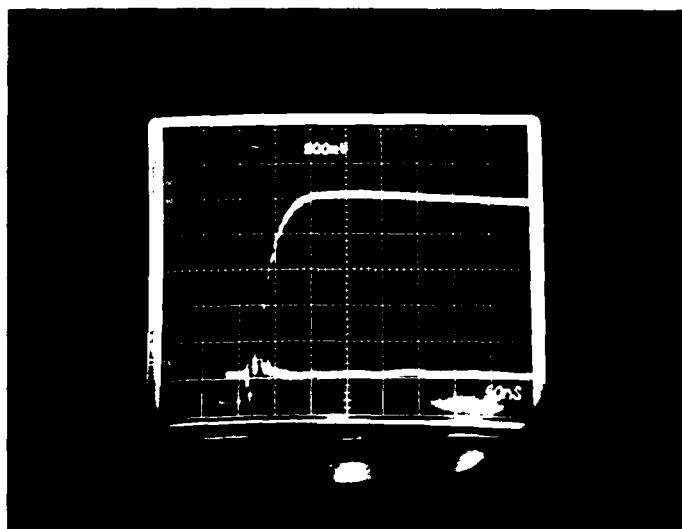
Vertical 860V ns/div 2

Configuration

Pulser Level + 4500V

Data Link

Comments:



91A

Date 6-6-85

Test Point 32R-CH-110-B

Amplification 0 dB

Attenuation 20 dB

Horizontal 50 ns/div 1

Vertical .5V(860V) mV/div 1

Horizontal ns/div 2

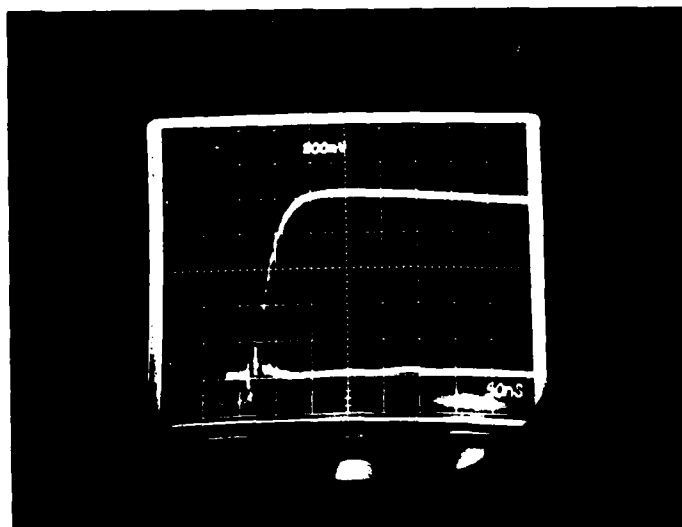
Vertical (860V) ns/div 2

Configuration

Pulser Level - 4500V

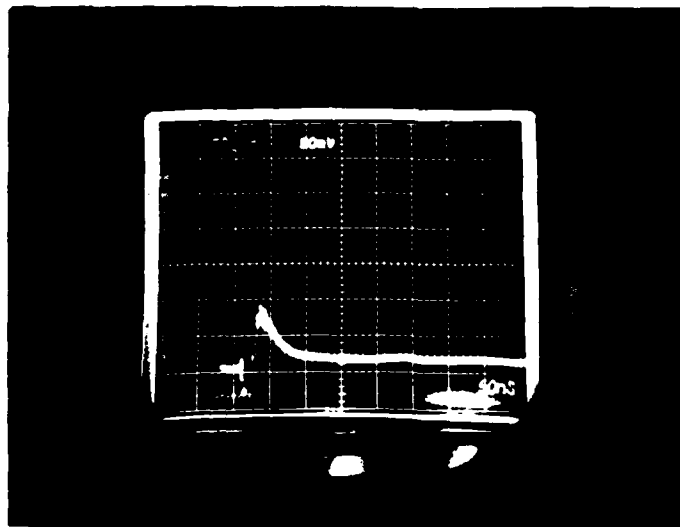
Data Link

Comments:



920

Date	6-6-85
Test Point	32-CH-110-B
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	1.5V (186 V) mV/div 1
Horizontal	ns/div 2
Vertical	86 V ns/div 2
Configuration	
Pulser Level	4500V
Data Link	
Comments:	



Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date 6-6-85

Test Point 32-CH-1/10-C

Amplification 0 dB

Attenuation 20 dB

Horizontal 50 ns/div 1

Vertical .5V(860V) mV/div 1

Horizontal ns/div 2

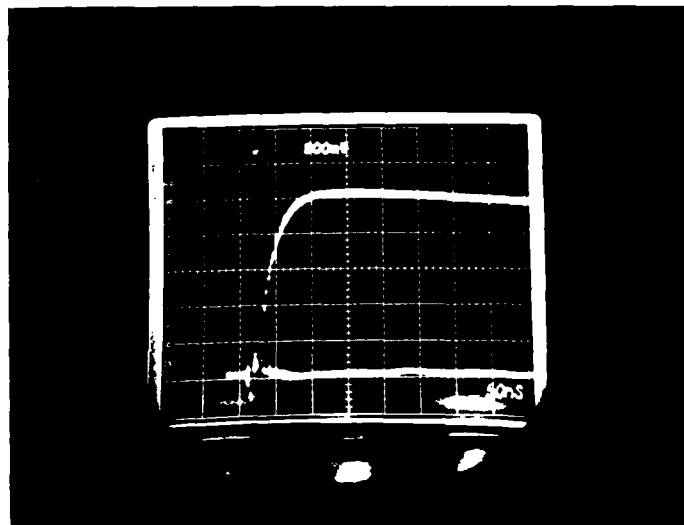
Vertical 860V ns/div 2

Configuration

Pulse Level + 4500 V

Data Link

Comments:



922

Date 6-6-85

Test Point 32R-CH-1/10-C

Amplification 0 dB

Attenuation 20 dB

Horizontal 50 ns/div 1

Vertical .5V(860V) mV/div 1

Horizontal ns/div 2

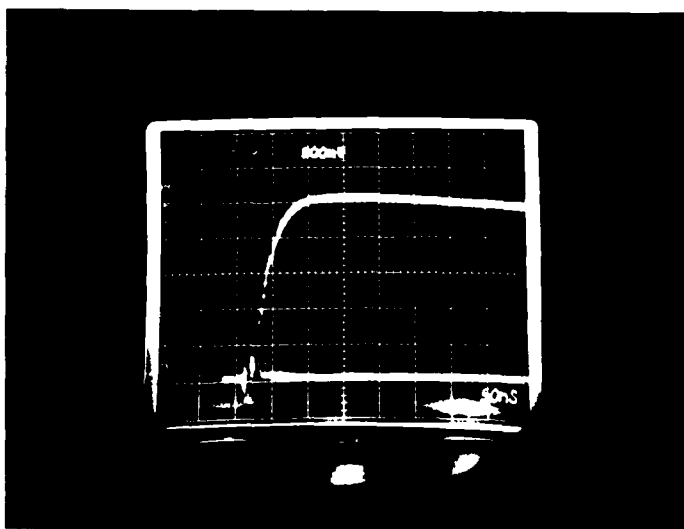
Vertical (860V) ns/div 2

Configuration

Pulse Level -4500 V

Data Link

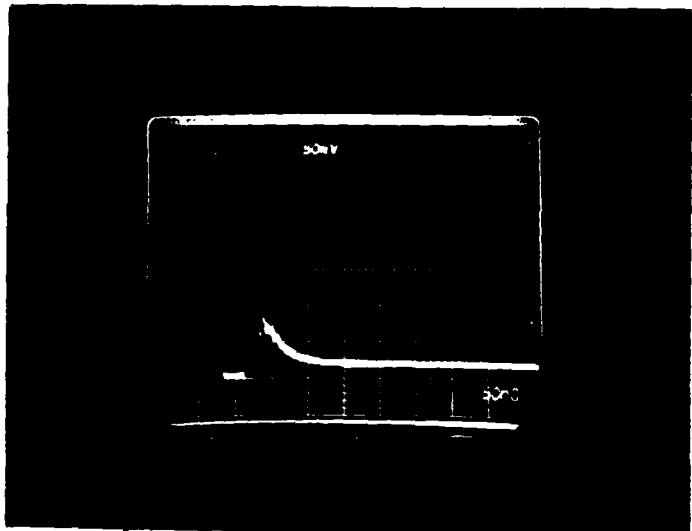
Comments:



923



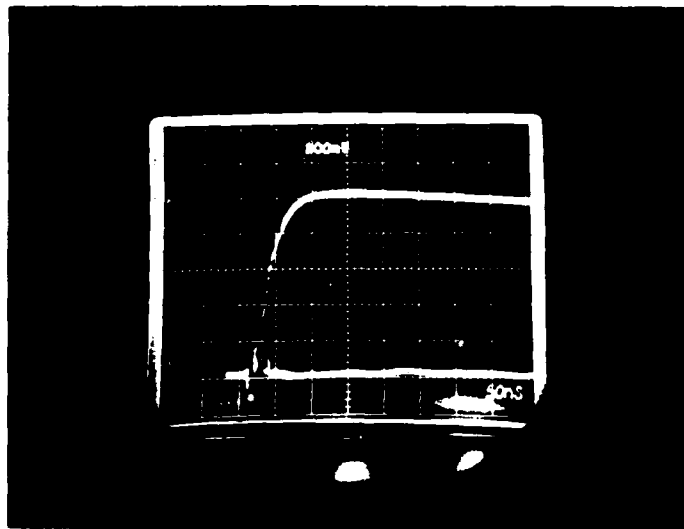
Date	6-6-85
Test Point	32-CH-1/10-C
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	0.05V (86V) mV/div 1
Horizontal	ns/div 2
Vertical	(86V) ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	



924

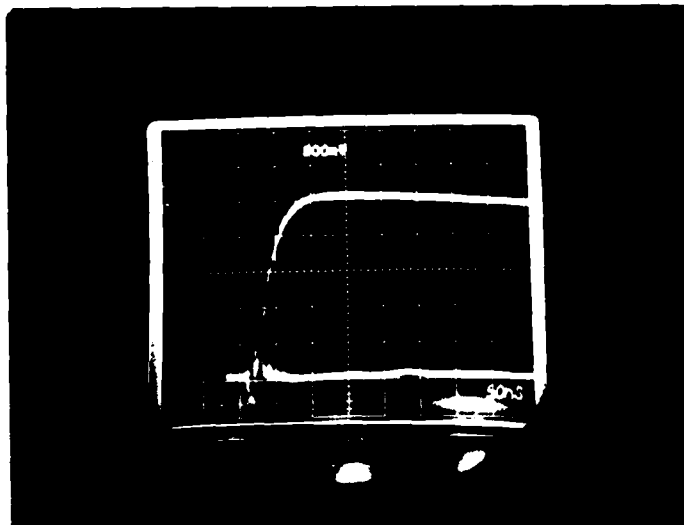
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date	6-6-85	
Test Point	32-CH-110-D	
Amplification	0	dB
Attenuation	20	dB
Horizontal	50	ns/div 1
Vertical	.5V (860V)	mV/div 1
Horizontal		ns/div 2
Vertical	860V	ns/div 2
Configuration		
Pulser Level	+4500V	
Data Link		
Comments:		



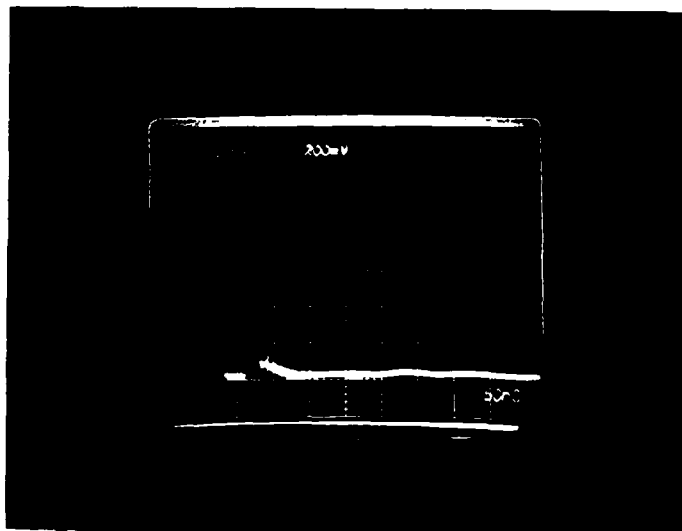
925

Date	6-6-85	
Test Point	32R-CH-110-D	
Amplification	0	dB
Attenuation	20	dB
Horizontal	50	ns/div 1
Vertical	.5V (860V)	mV/div 1
Horizontal		ns/div 2
Vertical	860V	ns/div 2
Configuration		
Pulser Level	-4500V	
Data Link		
Comments:		



926

Date	6-6-85	
Test Point	32-CH-1/10-D	
Amplification	0	dB
Attenuation	20	dB
Horizontal	50	ns/div 1
Vertical	2V (400V)	mV/div 1
Horizontal		ns/div 2
Vertical	(344V)	V/div 2
Configuration		
Pulse Level	+ 4500V	
Data Link		
Comments:		



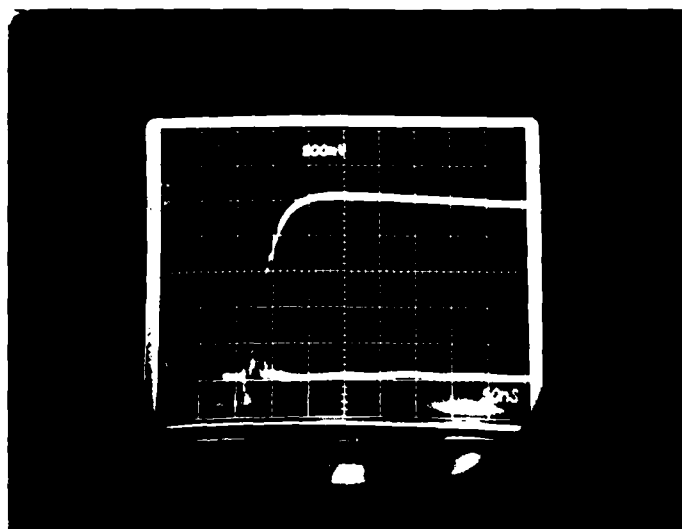
927

NOTE: 0.2V - (400V) div

Date		
Test Point		
Amplification		dB
Attenuation		dB
Horizontal		ns/div 1
Vertical		mV/div 1
Horizontal		ns/div 2
Vertical		ns/div 2
Configuration		
Pulse Level		
Data Link		
Comments:		

Date	6-6-85
Test Point	32-CH-110-E
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (880V) mV/div 1
Horizontal	ns/div 2
Vertical	860V <del>ns</del> /div 2
Configuration	
Pulser Level +	4500V
Data Link	

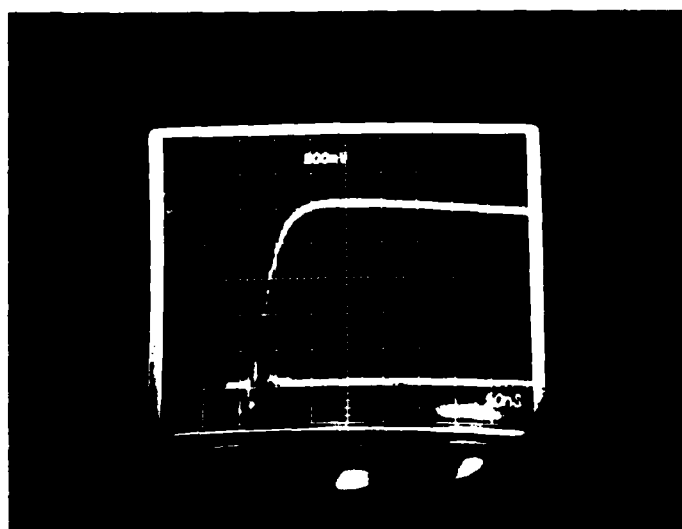
Comments:



928

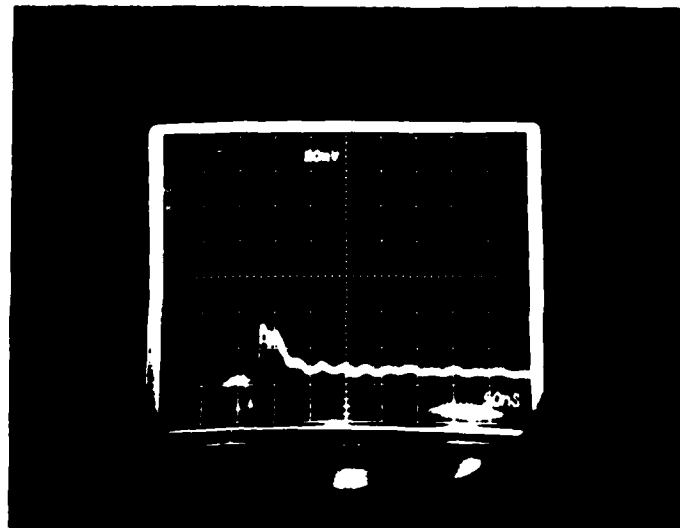
Date	6-6-85
Test Point	32R-CH-110-E
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (880V) mV/div 1
Horizontal	ns/div 2
Vertical	860V <del>ns</del> /div 2
Configuration	
Pulser Level -	4500V
Data Link	

Comments:



929

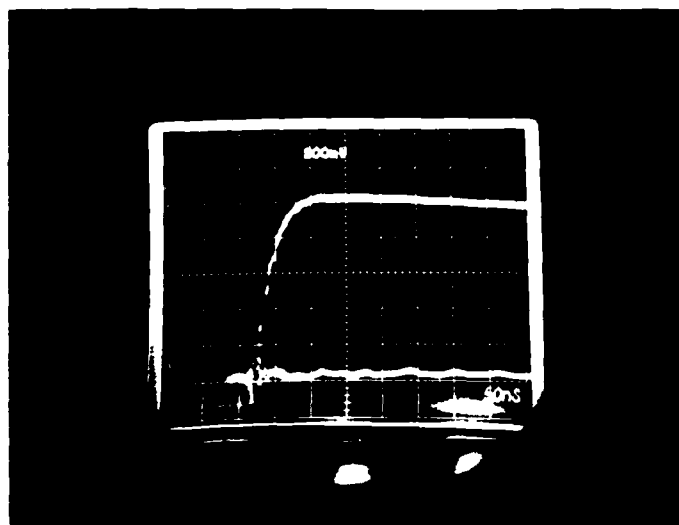
Date	6-6-85	
Test Point	32-CH-1/10-E	
Amplification	0	dB
Attenuation	20	dB
Horizontal	50	ns/div 1
Vertical	105V (100V)	mV/div 1
Horizontal		ns/div 2
Vertical	(86V)	ns/div 2
Configuration		
Pulser Level	4500V	
Data Link		
Comments:		



930

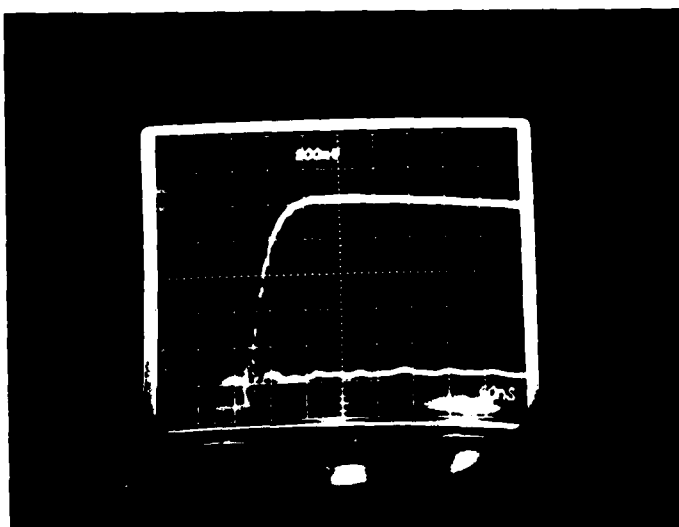
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date	6-6-85
Test Point	34-CH-1/10-A
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V ( <del>1000V</del> ) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulse Level	+4500V
Data Link	
Comments:	934



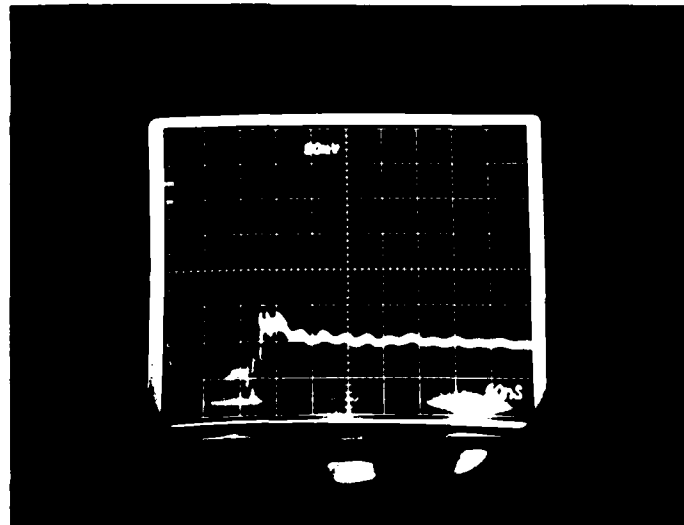
934 - 934

Date	6-6-85
Test Point	34R-CH-1/10-A
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V ( <del>1000V</del> ) mV/div 1
Horizontal	ns/div 2
Vertical	860V ns/div 2
Configuration	
Pulse Level	-4500V
Data Link	
Comments:	935



935 935

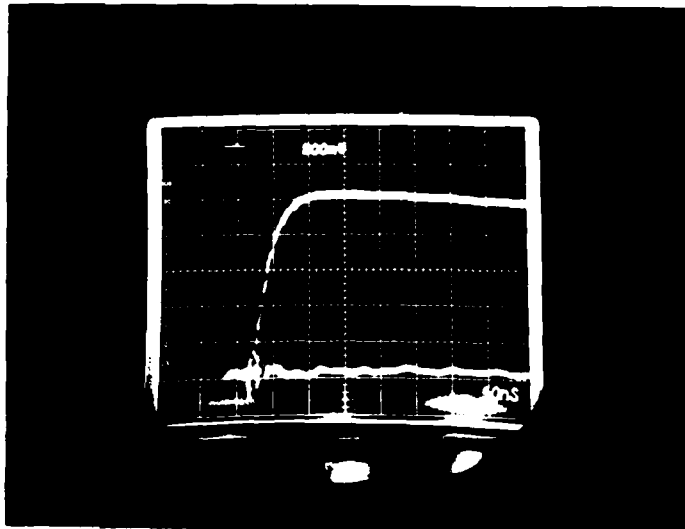
Date	6-6-85
Test Point	34-CH-1/10-A
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V(100V) mV/div 1
Horizontal	ns/div 2
Vertical	86V mV/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



336 936

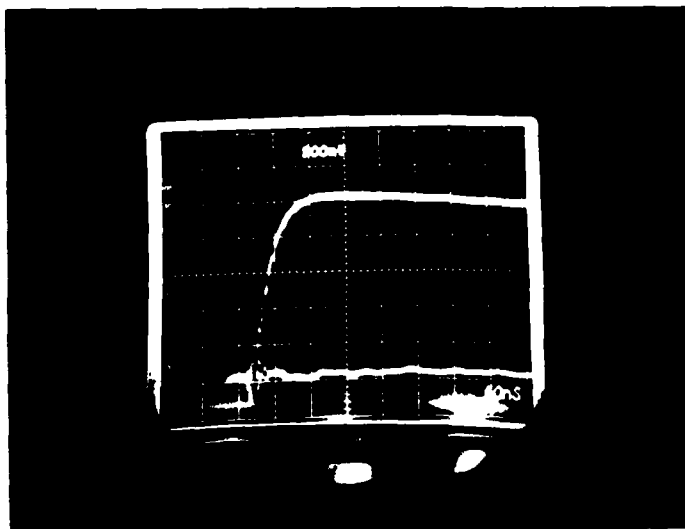
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date	6-6-85
Test Point	34-CH-1/10-B
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	860V ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	



937

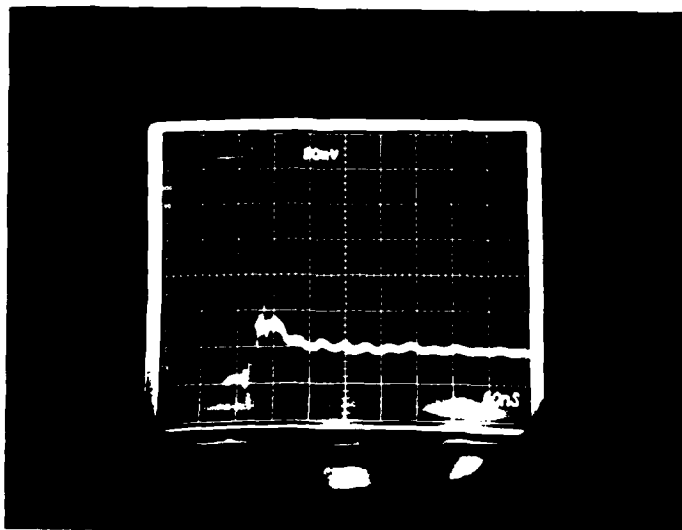
Date	6-6-85
Test Point	34R-CH-1/10-B
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	860V ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



938



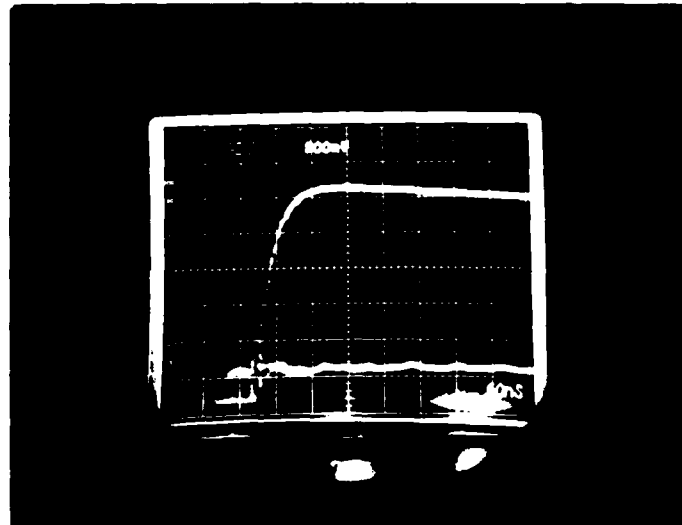
Date	6-6-85
Test Point	34-CH-1/10-B
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	86V ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



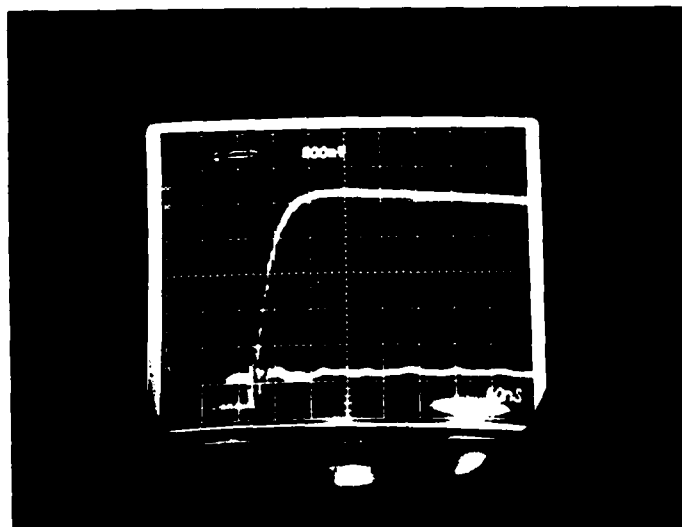
939

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

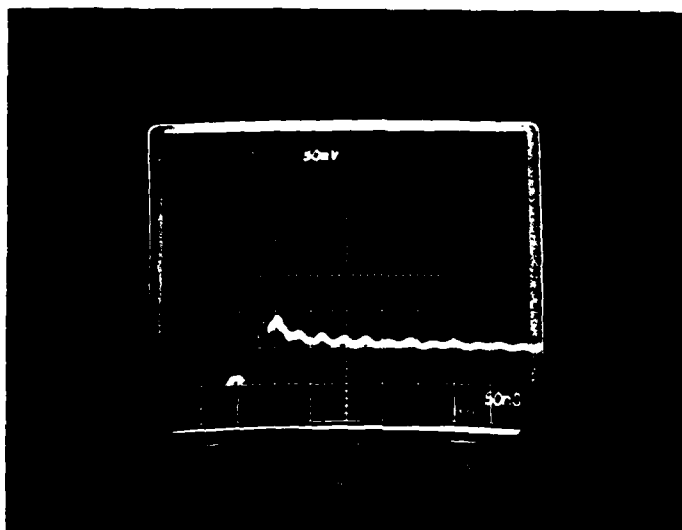
Date 6-6-85  
 Test Point 34-CH-1/10-C  
 Amplification 0 dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V(1000V) mV/div 1  
 Horizontal ns/div 2  
 Vertical (860V) ns/div 2  
 Configuration  
 Pulsar Level + 4500V  
 Data Link  
 Comments:



Date 6-6-85  
 Test Point 34R-CH-1/10-C  
 Amplification 0 dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V(1000V) mV/div 1  
 Horizontal ns/div 2  
 Vertical 860V ns/div 2  
 Configuration  
 Pulsar Level - 4500V  
 Data Link  
 Comments:



Date	6-6-85
Test Point	34-CH-1/10-C
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	(86V) ns/div 2
Configuration	
Pulser Level	+ 4500V
Date Link	
Comments:	

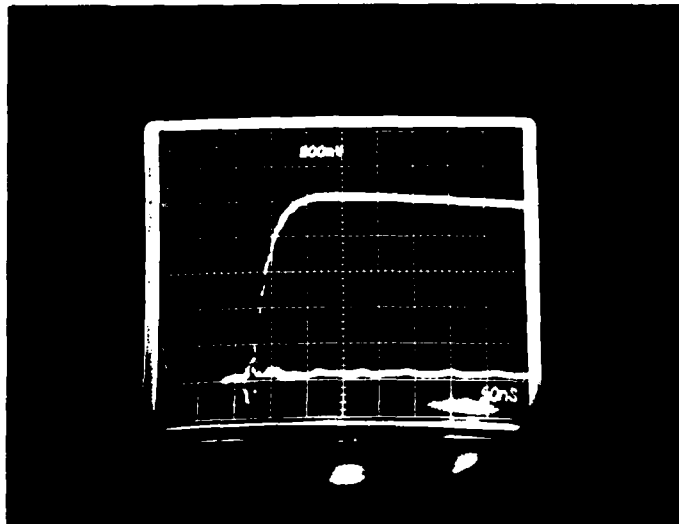


943

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Date Link	
Comments:	

Date	6-6-85
Test Point	35-CH-1/10-A
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	860V ns/div 2
Configuration	
Pulse Level	+ 4500V
Data Link	
Comments:	

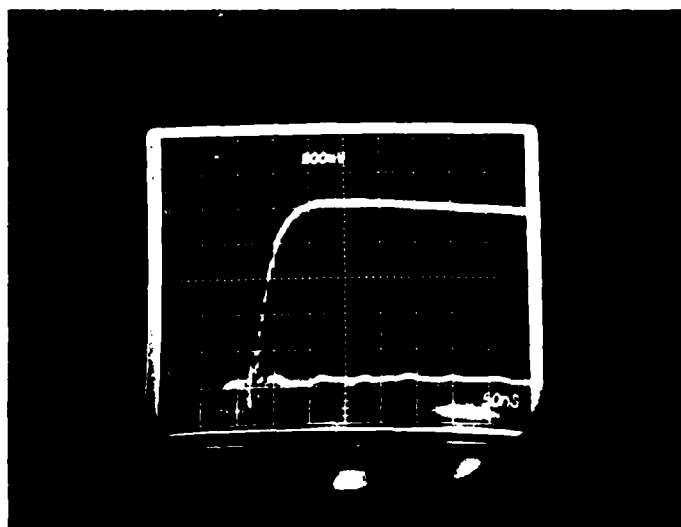
931



931

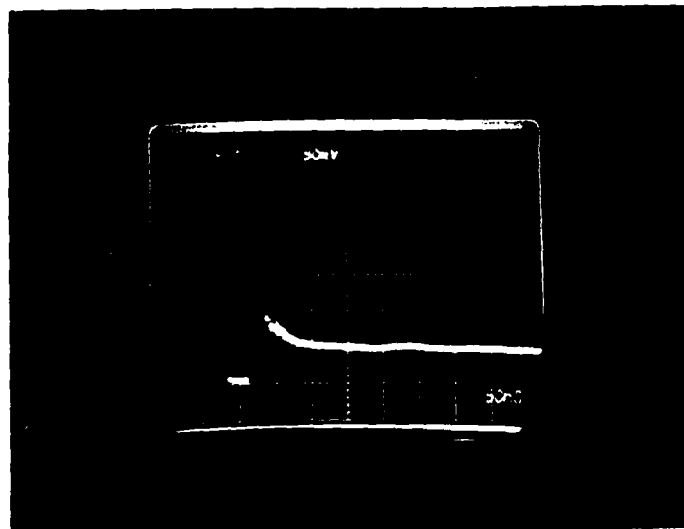
Date	6-6-85
Test Point	35R-CH-1/10-A
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	860V ns/div 2
Configuration	
Pulse Level	- 4500V
Data Link	
Comments:	

932



932

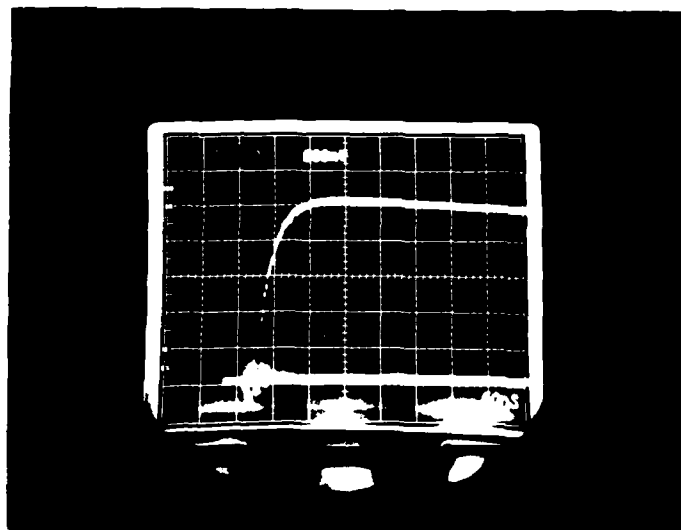
Date	6-6-85
Test Point	35-CH-1/10-A
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	86V ns/div 2
Configuration	
Pulse Level	+4500V
Data Link	
Comments:	7-33



933

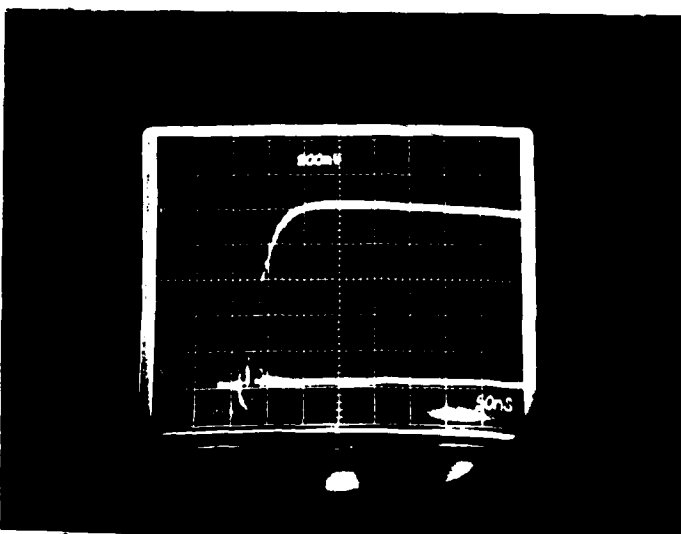
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	
Data Link	
Comments:	

Date 6-6-85  
 Test Point 35-CH-1/10-B  
 Amplification 0 dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V (1000V) mV/div 1  
 Horizontal ns/div 2  
 Vertical 860V ns/div 2  
 Configuration  
 Pulsar Level +4500V  
 Data Link  
 Comments:



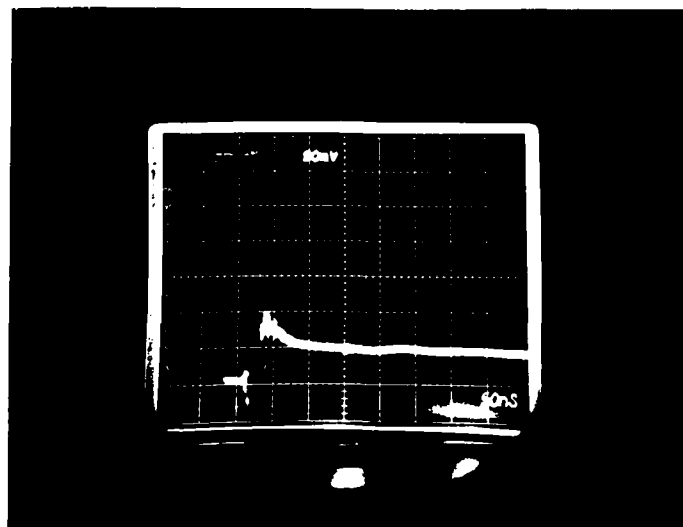
931

Date 6-6-85  
 Test Point 35R-CH-1/10-B  
 Amplification 0 dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V (1000V) mV/div 1  
 Horizontal ns/div 2  
 Vertical 860V ns/div 2  
 Configuration  
 Pulsar Level -4500V  
 Data Link  
 Comments:



932

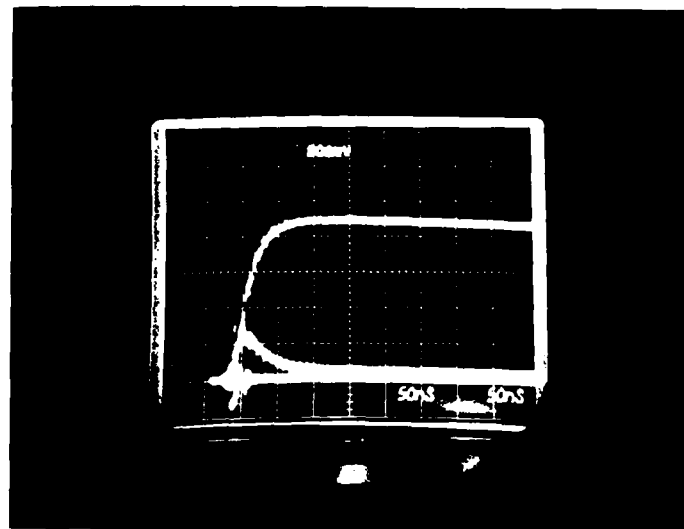
Date	6-6-85
Test Point	35-CH-Y10-B
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	86V ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



933

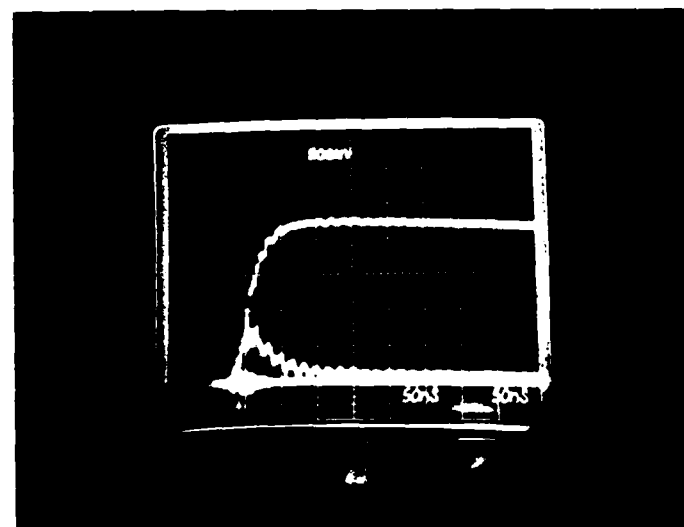
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date 6-10-85  
 Test Point 36-CH-110-Ø  
 Amplification dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V(1000V) mV/div 1  
 Horizontal ns/div 2  
 Vertical ns/div 2  
 Configuration  
 Pulsar Level +4500V  
 Data Link  
 Comments:



DATA @ .5V(1000V)

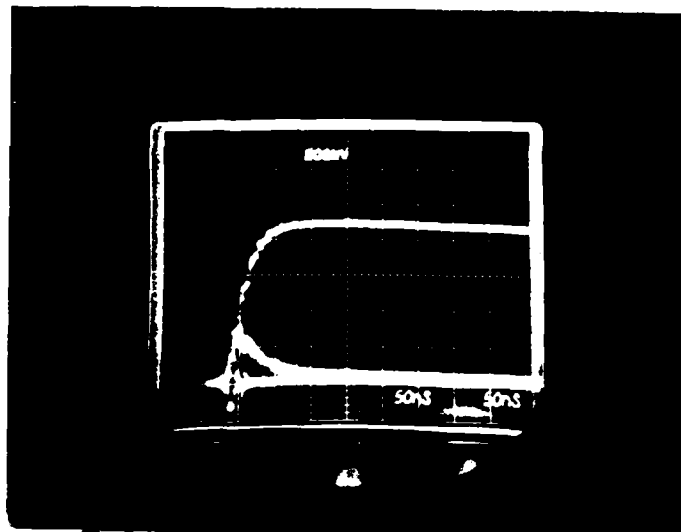
Date 6-10-85  
 Test Point 36R-CH-110-Ø  
 Amplification dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V(1000V) mV/div 1  
 Horizontal ns/div 2  
 Vertical ns/div 2  
 Configuration  
 Pulsar Level -4500V  
 Data Link  
 Comments:



DATA @ .05V(100V)

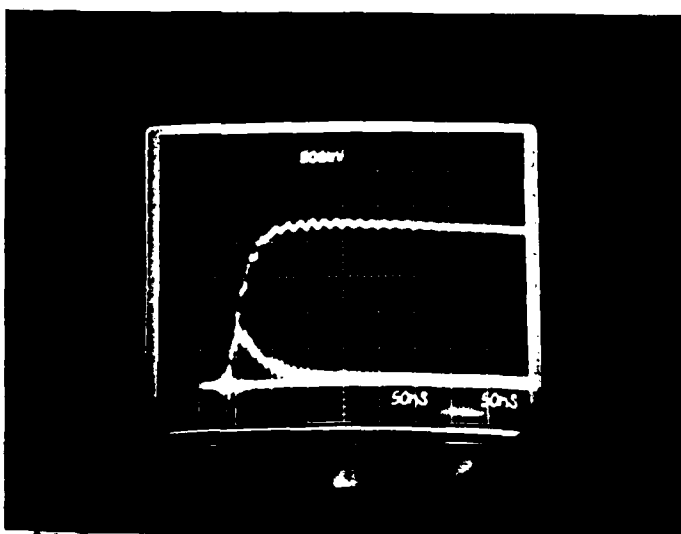


Date	6-10-85
Test Point	37-CH-1/10-Ø
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	+4500V
Data Link	
Comments:	1184



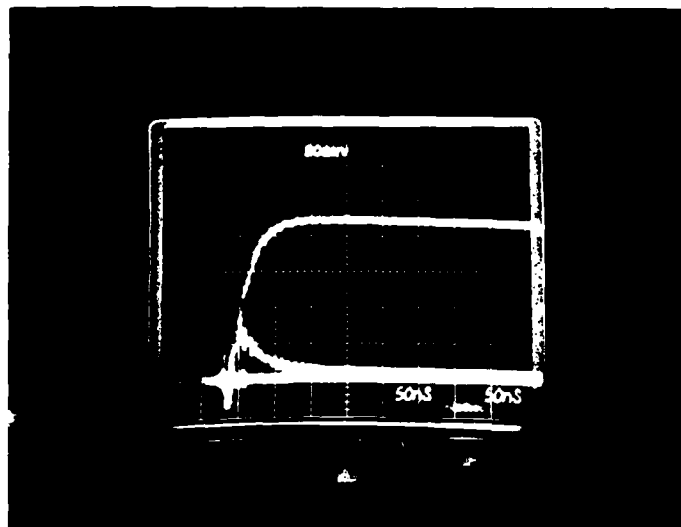
DATA @ .05V(100V)

Date	6-10-85
Test Point	37R-CH-1/10-Ø
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	-4500V
Data Link	
Comments:	1187



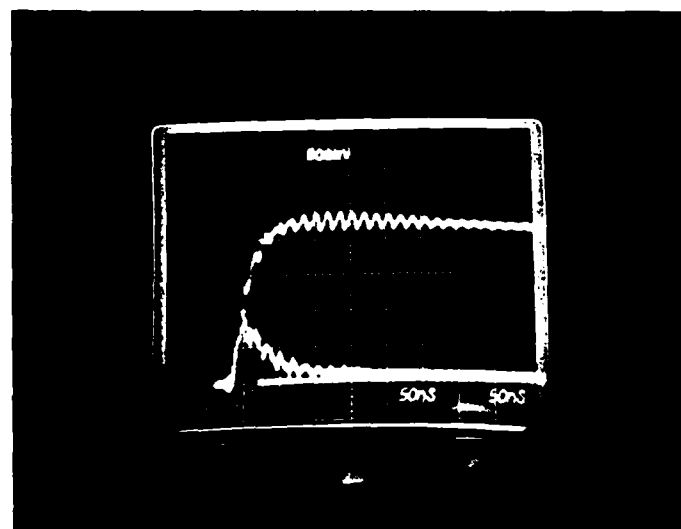
DATA @ .05V(100V)

Date	6-10-85
Test Point	38-CH-410- $\phi$
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



DATA @ .05(100V)

Date	6-10-85
Test Point	38R-CH-410- $\phi$
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	

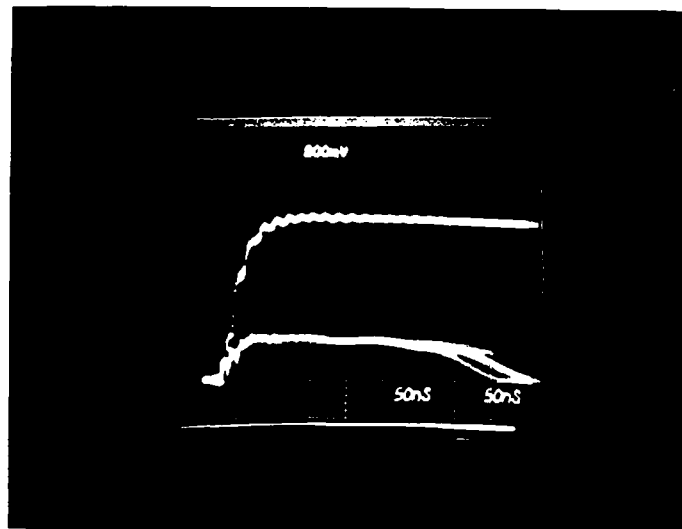


DATA @ .05V(100V)

Date	6-11-85		
Test Point	39-CH-1/10-Ø		
Amplification	dB		
Attenuation	20	dB	
Horizontal	50	ns/div	1
Vertical	.5V (1000V)	mV/div	1
Horizontal		ns/div	2
Vertical		ns/div	2
Configuration			
Pulser Level	+ 4500V		
Data Link			

Comments: "HOT" LEADS 1207

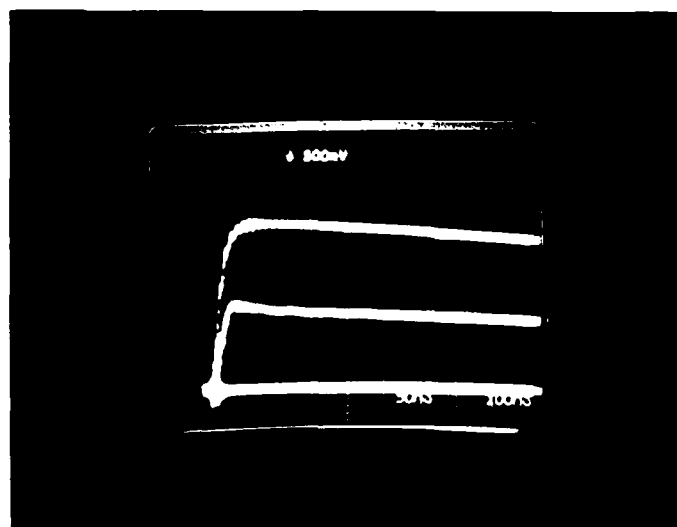
DATA @ .2V (400V)



Date	6-11-85		
Test Point	39R-CH-1/10-Ø		
Amplification	dB		
Attenuation	20	dB	
Horizontal	100	ns/div	1
Vertical	.5V (1000V)	mV/div	1
Horizontal		ns/div	2
Vertical		ns/div	2
Configuration			
Pulser Level	- 4500V		
Data Link			

Comments: "HOT" LEADS 1207

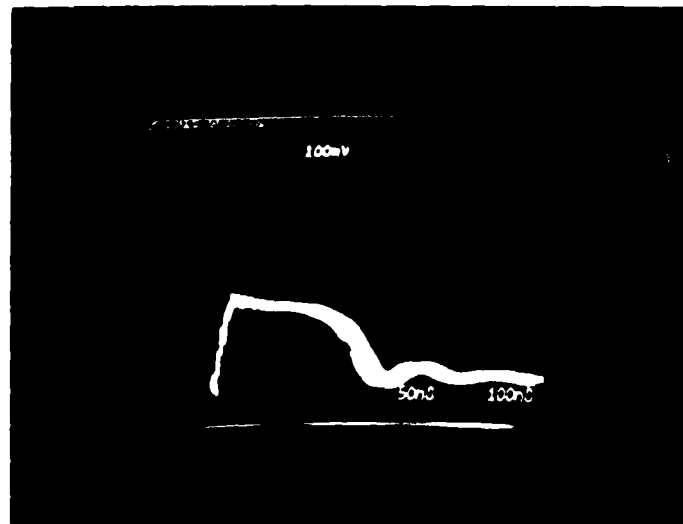
DATA @ .1V (200V)



Date	6-11-85
Test Point	39-CH-1/10-Ø
Amplification	dB
Attenuation	20 dB
Horizontal	100 ns/div 1
Vertical	1V (200V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500 V
Data Link	

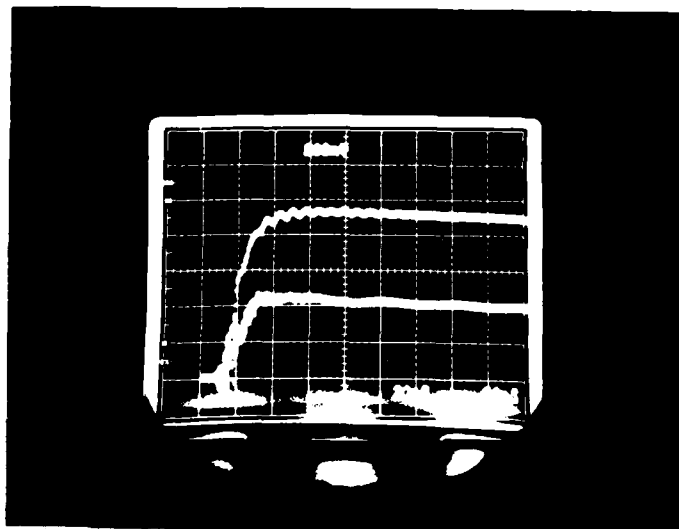
Comments:

"HOT" LEAD



Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

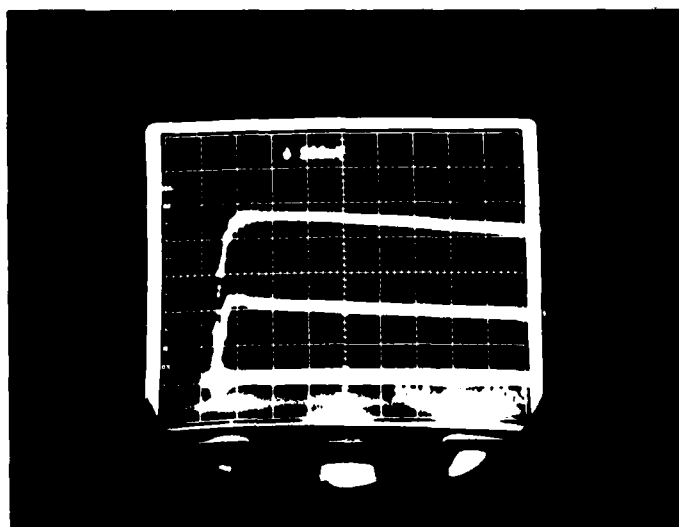
Date	6-11-85
Test Point	39-CH-1/10- $\phi$
Amplification	dB
Attenuation	20 dB
Horizontal	20 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	+4500V
Data Link	
Comments:	2.4



1224

DATA @ .1V (200V)

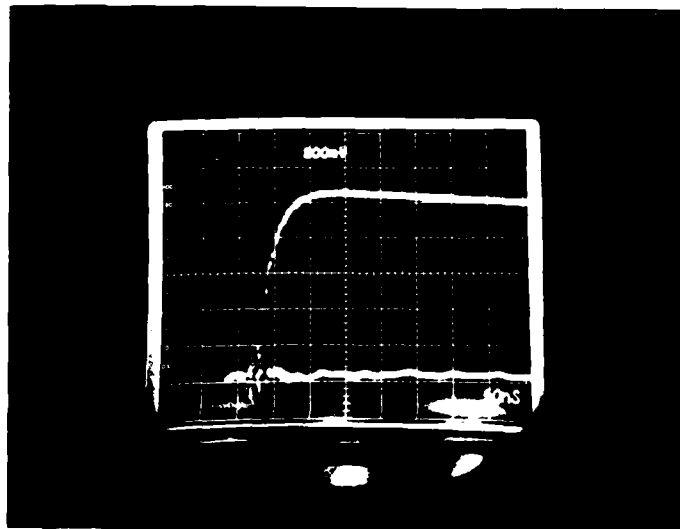
Date	6-11-85
Test Point	39R-CH-1/10- $\phi$
Amplification	dB
Attenuation	20 dB
Horizontal	100 <del>ns</del> ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	-4500V
Data Link	
Comments:	



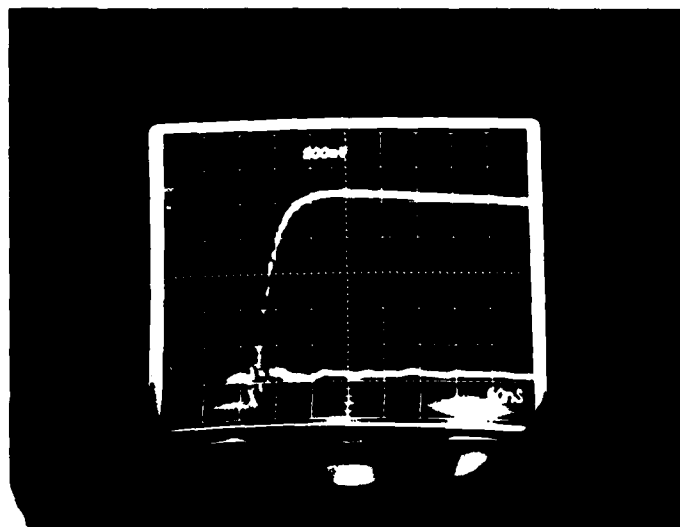
1225

DATA @ .1V (200V)

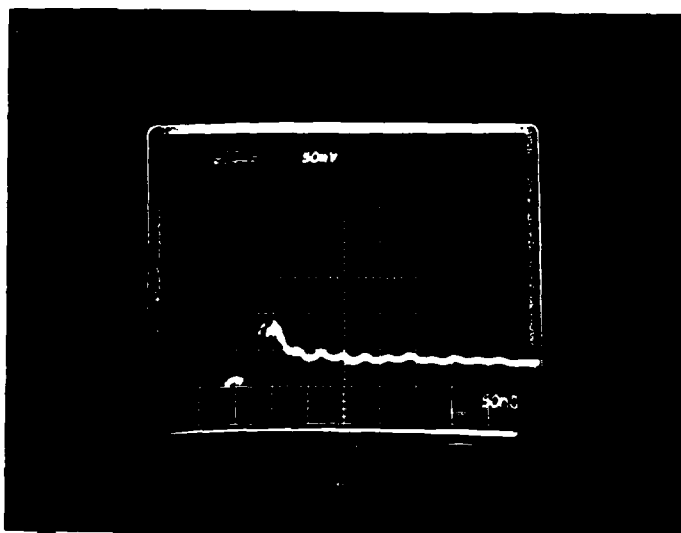
Date 6-6-85  
 Test Point 41-CH-1/10-A  
 Amplification 0 dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V (+1000V) mV/div 1  
 Horizontal ns/div 2  
 Vertical 860V ns/div 2  
 Configuration  
 Pulsar Level + 4500V  
 Data Link  
 Comments:



Date 6-6-85  
 Test Point 41A-CH-1/10 A  
 Amplification 0 dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V (+1000V) mV/div 1  
 Horizontal ns/div 2  
 Vertical 860V ns/div 2  
 Configuration  
 Pulsar Level - 4500V  
 Data Link  
 Comments:



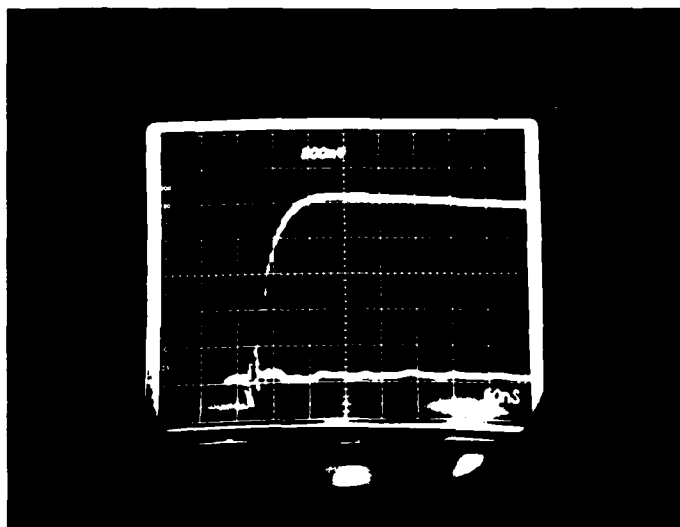
Date 6-6-85  
 Test Point 41-CH-1/10-A  
 Amplification 0 dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .05V (+100V) mV/div 1  
 Horizontal 8 ns/div 2  
 Vertical 86V mV/div 2  
 Configuration  
 Pulsar Level + 4500V  
 Data Link  
 Comments:



945

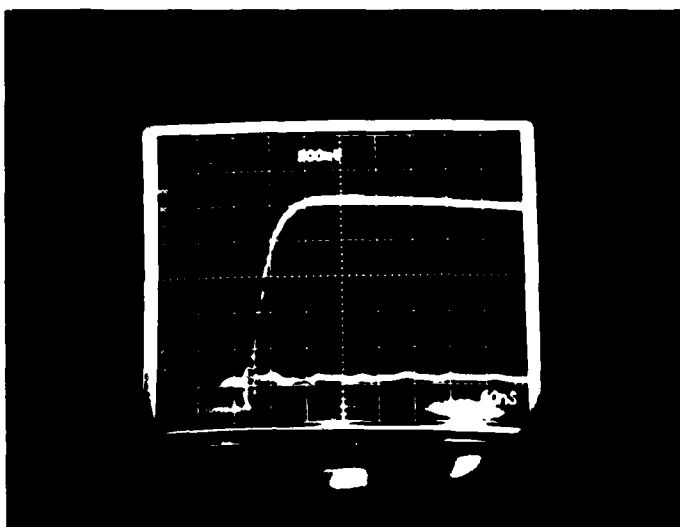
Date  
 Test Point  
 Amplification dB  
 Attenuation dB  
 Horizontal ns/div 1  
 Vertical mV/div 1  
 Horizontal ns/div 2  
 Vertical ns/div 2  
 Configuration  
 Pulsar Level  
 Data Link  
 Comments:

Date	6-6-85
Test Point	41-CH-1/10-B
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V ( <del>1000V</del> ) mV/div 1
Horizontal	ns/div 2
Vertical	860V <del>ns</del> /div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	746



946

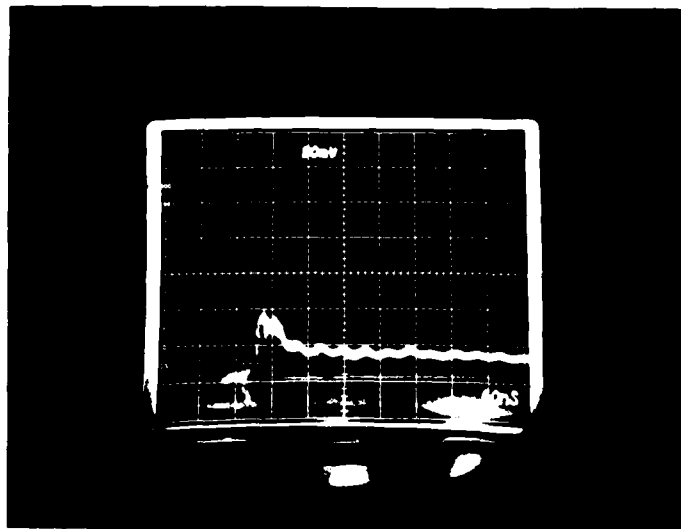
Date	6-6-85
Test Point	41R-CH-1/10-B
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V ( <del>1000V</del> ) mV/div 1
Horizontal	ns/div 2
Vertical	860V <del>ns</del> /div 2
Configuration	
Pulser Level	- 4500V
Data Link	
Comments:	747



947



Date	6-6-85
Test Point	41-CH-1/10-B
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V ( <del>100V</del> ) mV/div 1
Horizontal	ns/div 2
Vertical	86V ns/div 2
Configuration	
Pulser Level	+ 4500 V
Date Link	
Comments:	742

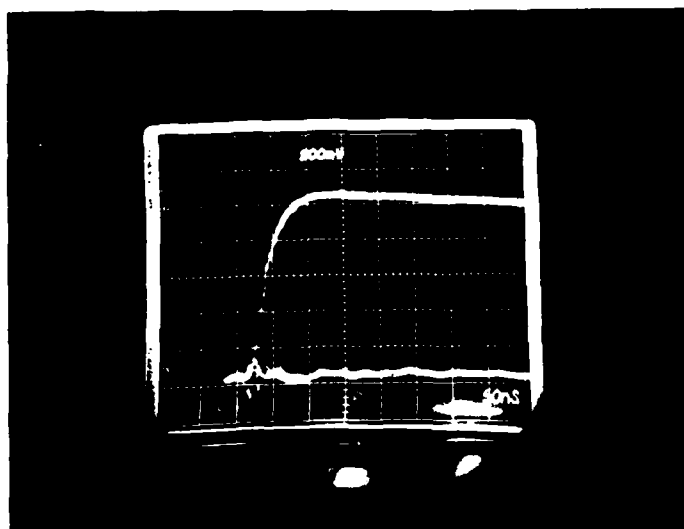


948

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Date Link	
Comments:	

Date 6-6-85  
 Test Point 41-CH-1/10-C  
 Amplification 0 dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V (1000V) mV/div 1  
 Horizontal ns/div 2  
 Vertical 860V mV/div 2  
 Configuration  
 Pulsar Level +4500V  
 Data Link  
 Comments:

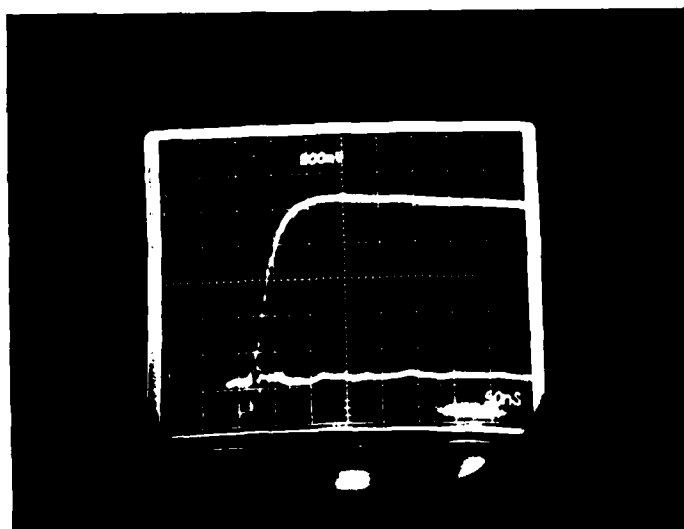
949



949

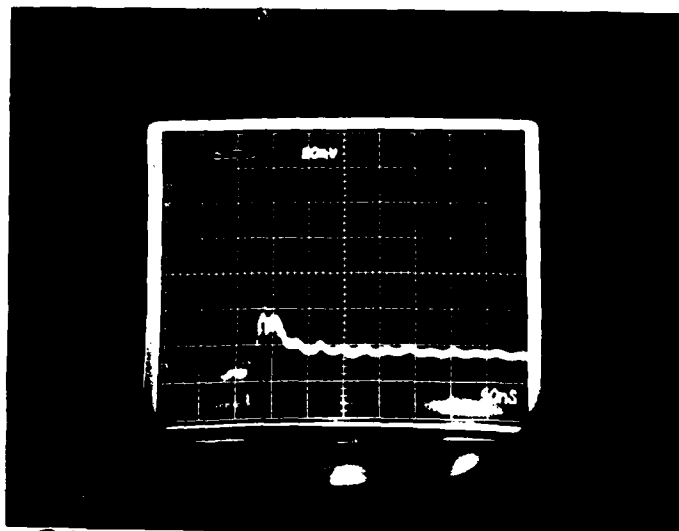
Date 6-6-85  
 Test Point 41R-CH-1/10-C  
 Amplification 0 dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V (1000V) mV/div 1  
 Horizontal ns/div 2  
 Vertical 860V mV/div 2  
 Configuration  
 Pulsar Level -4500V  
 Data Link  
 Comments:

950



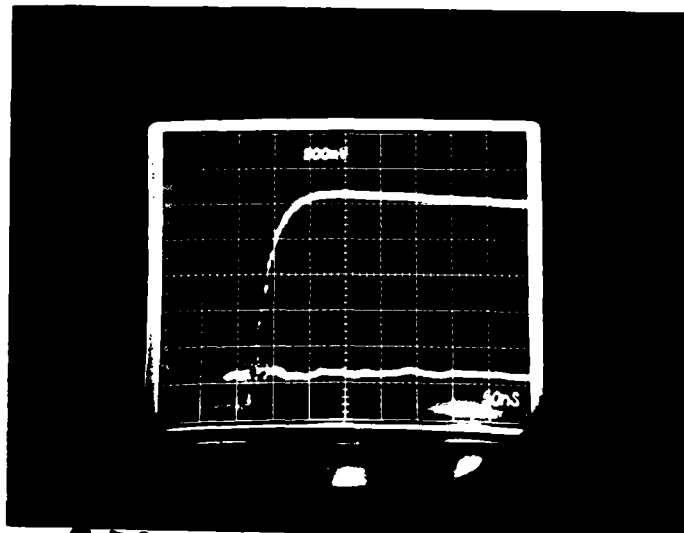
950

Date	6-6-85
Test Point	41-clt-1/10-C
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	86V ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	951



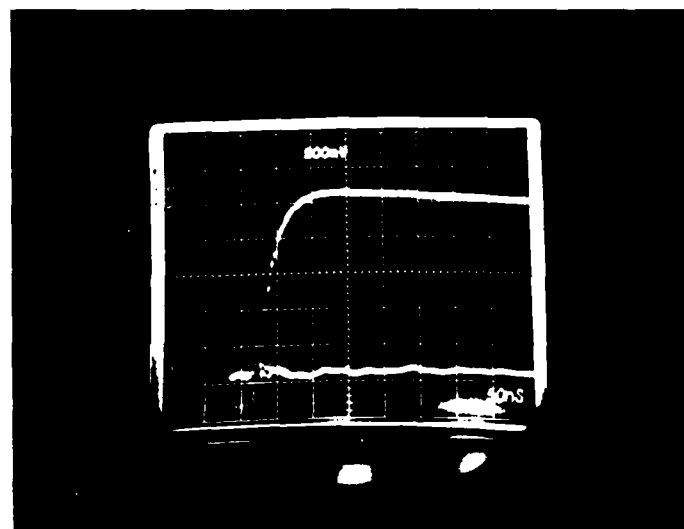
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date	6-6-85
Test Point	41-CH-1/10-D
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V ( <del>1000V</del> ) mV/div 1
Horizontal	ns/div 2
Vertical	860V ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	75



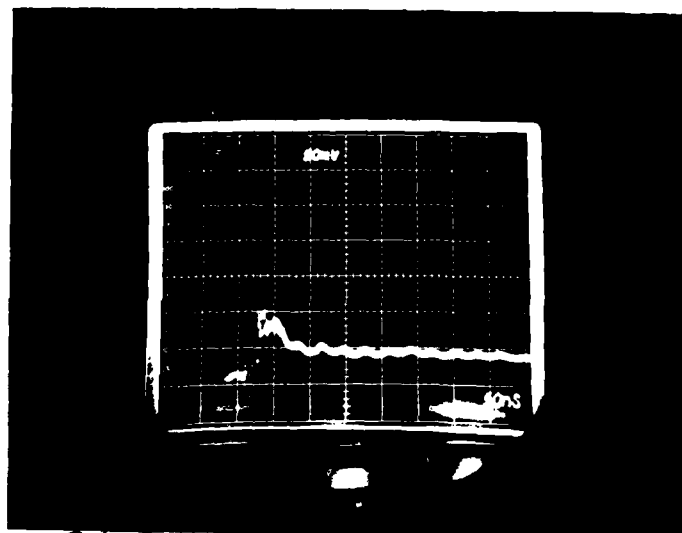
952

Date	6-6-85
Test Point	41R-CH-1/10-D
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V ( <del>1000V</del> ) mV/div 1
Horizontal	ns/div 2
Vertical	860V ns/div 2
Configuration	
Pulser Level	- 4500V
Data Link	
Comments:	



953

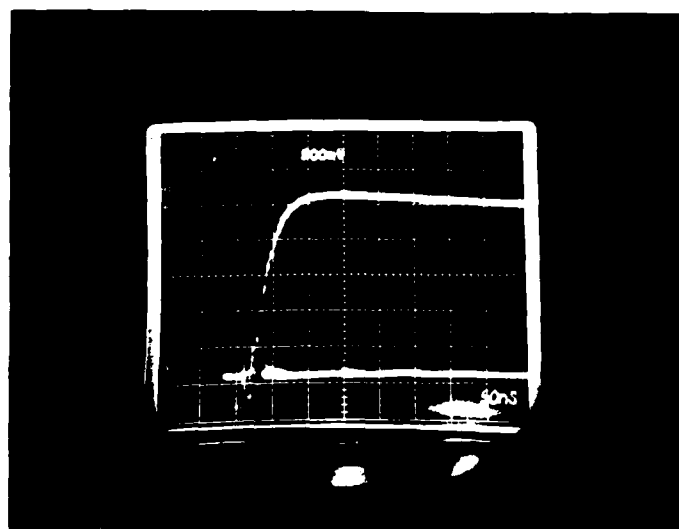
Date	6-6-85
Test Point	41-CH-410-D
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (400V) mV/div 1
Horizontal	ns/div 2
Vertical	86V ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	75



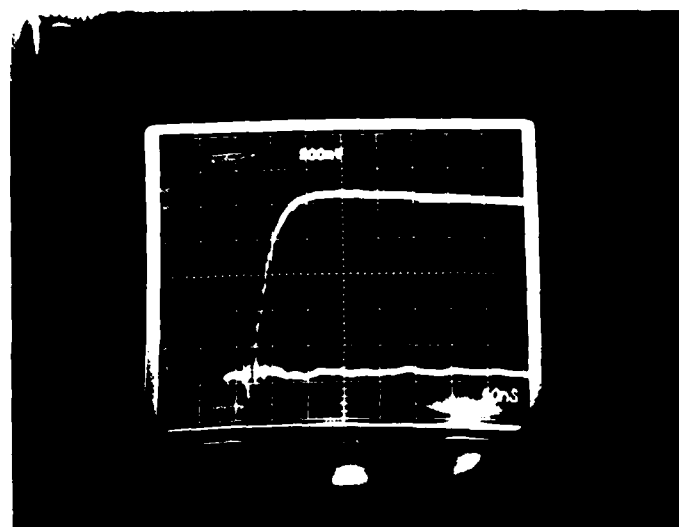
954

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

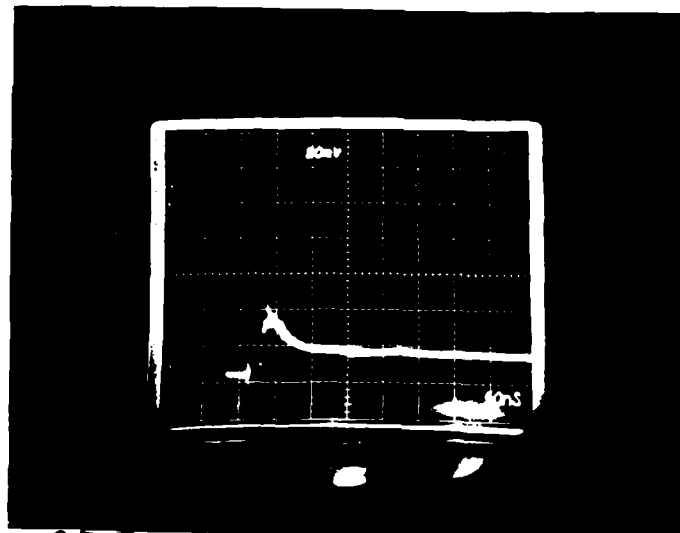
Date	6-6-85
Test Point	41-CH-1/10-E
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	860V ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	755



Date	6-6-85
Test Point	41R-CH-1/10-E
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	860V ns/div 2
Configuration	
Pulser Level	- 4500V
Data Link	
Comments:	756



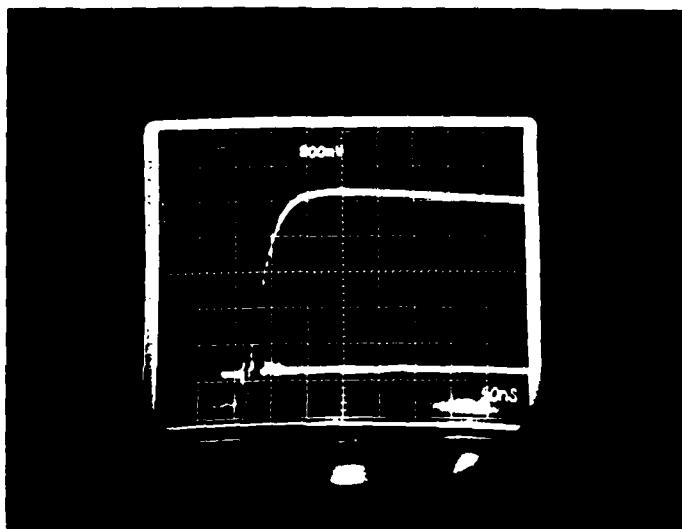
Date	6-6-85
Test Point	41-CH-110-E
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	86V ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	957



957

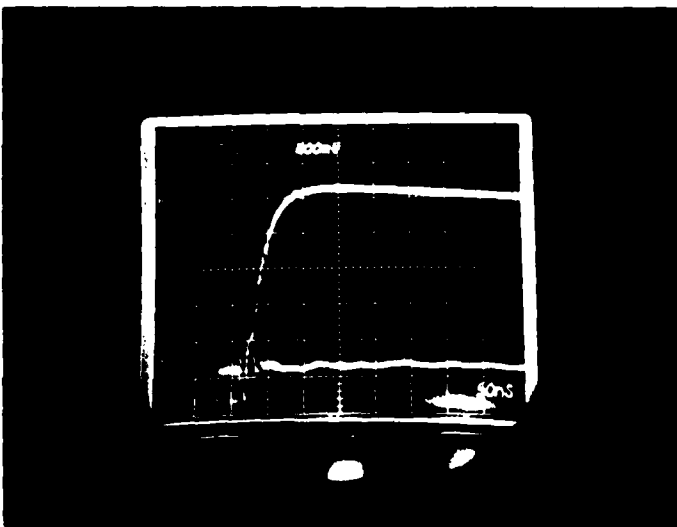
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date 6-6-85  
 Test Point 44-CH-1/10-A  
 Amplification 0 dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V (~~1000V~~) mV/div 1  
 Horizontal ns/div 2  
 Vertical 860V ~~mV~~/div 2  
 Configuration  
 Pulsar Level + 4500 V  
 Data Link  
 Comments:



958

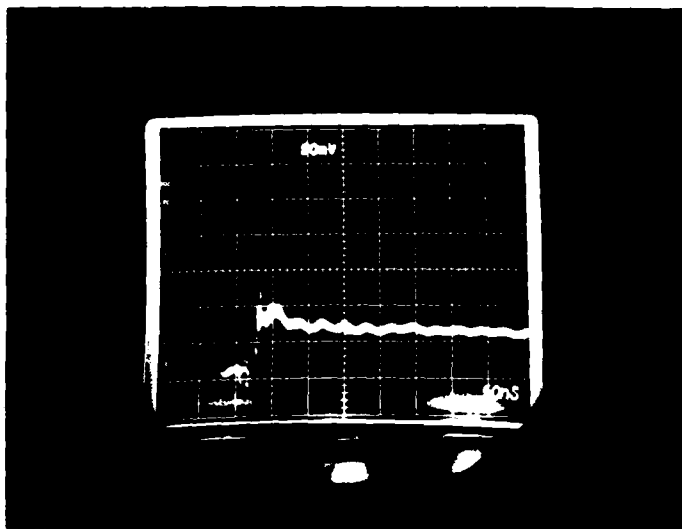
Date 6-6-85  
 Test Point 44R-CH-1/10-A  
 Amplification 0 dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V (~~1000V~~) mV/div 1  
 Horizontal ns/div 2  
 Vertical 860V ~~mV~~/div 2  
 Configuration  
 Pulsar Level - 4500 V  
 Data Link  
 Comments:



959



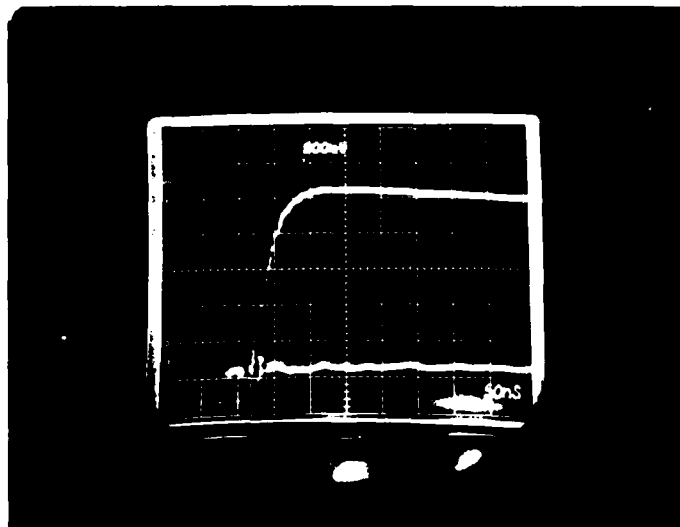
Date	6-6-85
Test Point	44-CH-1/10-A
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V(100V) mV/div 1
Horizontal	ns/div 2
Vertical	86V 100V/div 2
Configuration	
Pulse Level	+ 4500V
Data Link	
Comments:	



960

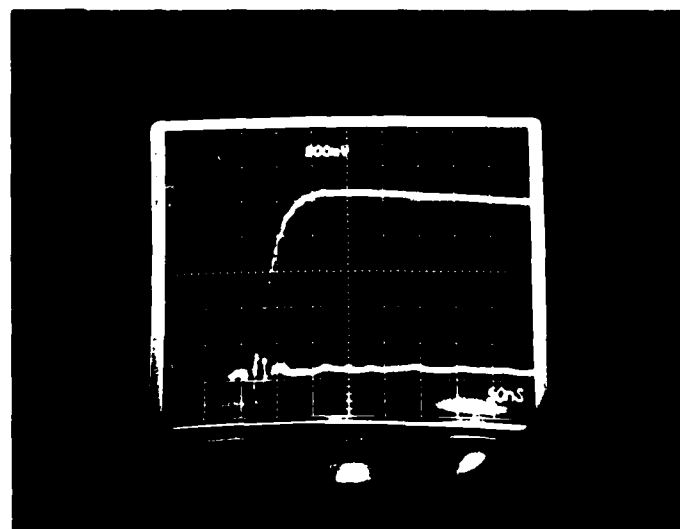
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	
Data Link	
Comments:	

Date	6-6-85
Test Point	44-CH-1/10-B
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V ( <del>1000V</del> ) mV/div 1
Horizontal	ns/div 2
Vertical	860V ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	961



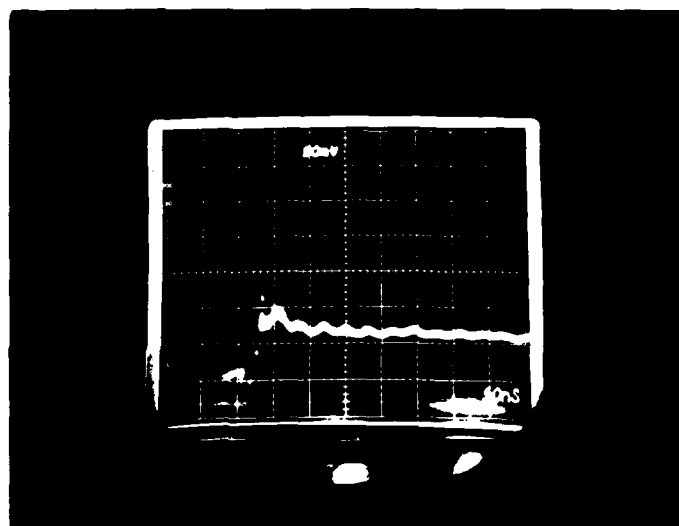
961

Date	6-6-85
Test Point	44R-CH-1/10-B
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V ( <del>1000V</del> ) mV/div 1
Horizontal	ns/div 2
Vertical	860V ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



962

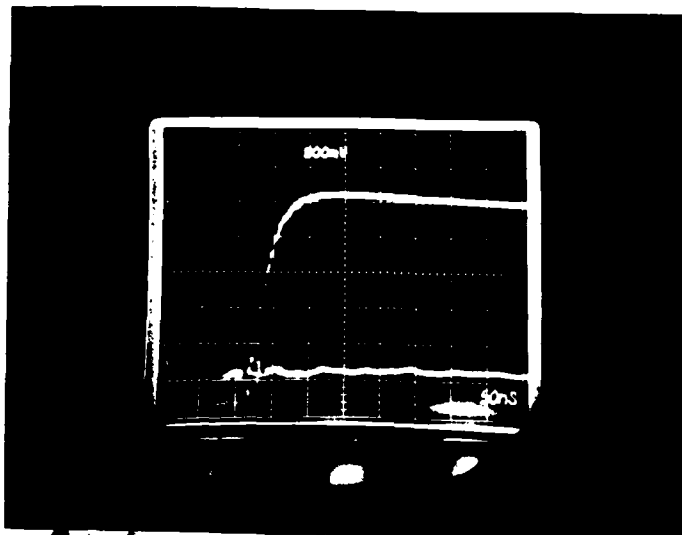
Date	6-6-85
Test Point	44-CH-110-B
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V( <del>100V</del> ) mV/div 1
Horizontal	ns/div 2
Vertical	86V mV/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	



963

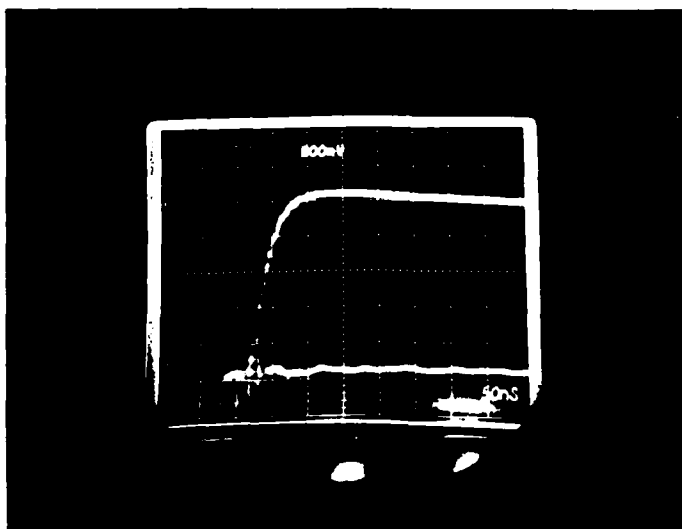
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date 6-6-85  
 Test Point 44-CH-1/10-C  
 Amplification 0 dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V(~~1000V~~) mV/div 1  
 Horizontal ns/div 2  
 Vertical 860V ~~mV~~/div 2  
 Configuration  
 Pulsar Level +4500V  
 Data Link  
 Comments:



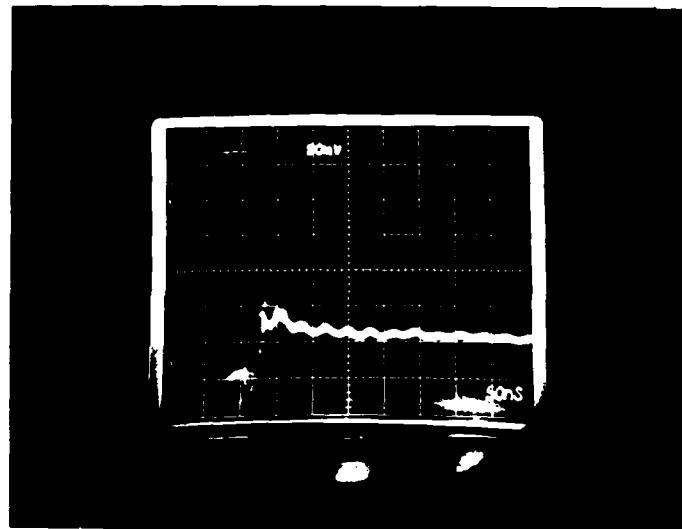
964

Date 6-6-85  
 Test Point 44R-CH-1/10-C  
 Amplification 0 dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V(~~1000V~~) mV/div 1  
 Horizontal ns/div 2  
 Vertical 860V ~~mV~~/div 2  
 Configuration  
 Pulsar Level -4500V  
 Data Link  
 Comments:



965

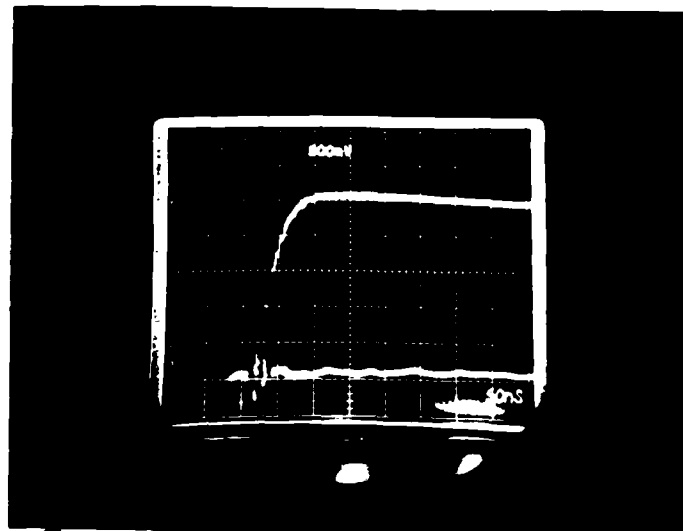
Date 6-6-85  
 Test Point 44-CH-100-C  
 Amplification 0 dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .05V (100V) mV/div 1  
 Horizontal ns/div 2  
 Vertical 86V mV/div 2  
 Configuration  
 Pulser Level +4500V  
 Data Link  
 Comments:



966

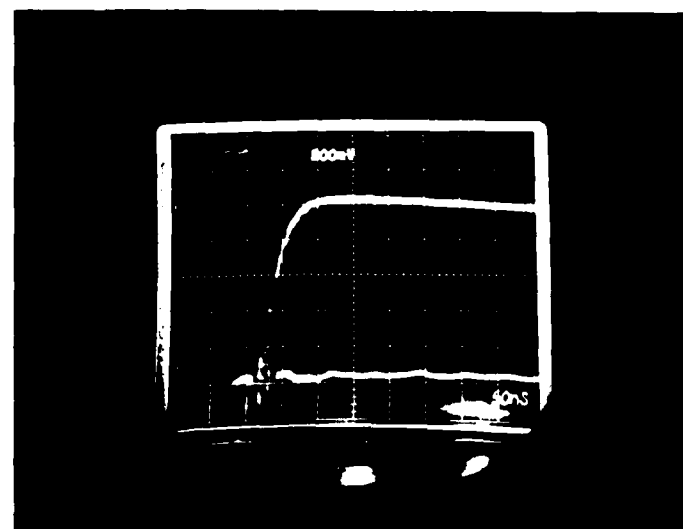
Date  
 Test Point  
 Amplification dB  
 Attenuation dB  
 Horizontal ns/div 1  
 Vertical mV/div 1  
 Horizontal ns/div 2  
 Vertical ns/div 2  
 Configuration  
 Pulser Level  
 Data Link  
 Comments:

Date 6-6-85  
 Test Point 44-CH-1/10-D  
 Amplification 0 dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V (~~1000V~~) mV/div 1  
 Horizontal ns/div 2  
 Vertical 860V ~~mV~~/div 2  
 Configuration  
 Pulsar Level + 4500 V  
 Data Link  
 Comments:



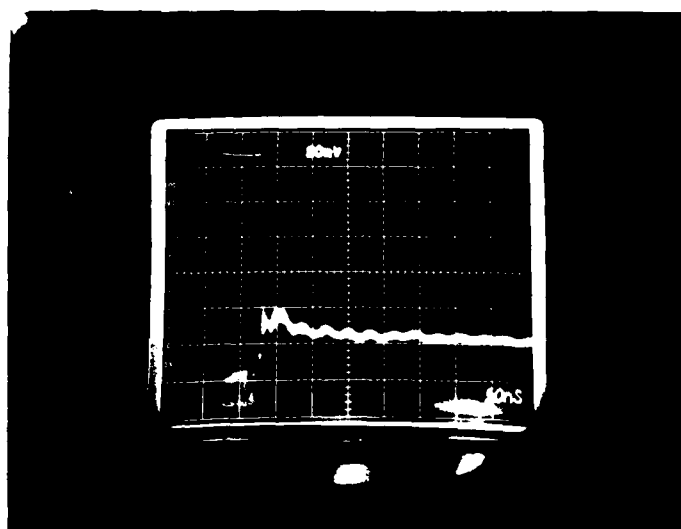
967

Date 6-6-85  
 Test Point 44R-CH-1/10-D  
 Amplification 0 dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V (~~1000V~~) mV/div 1  
 Horizontal ns/div 2  
 Vertical 860V ~~mV~~/div 2  
 Configuration  
 Pulsar Level (←) 4500V  
 Data Link  
 Comments:



968

Date	6-6-85
Test Point	44-CH-110-D
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V(100V) mV/div 1
Horizontal	ns/div 2
Vertical	860V mV/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	

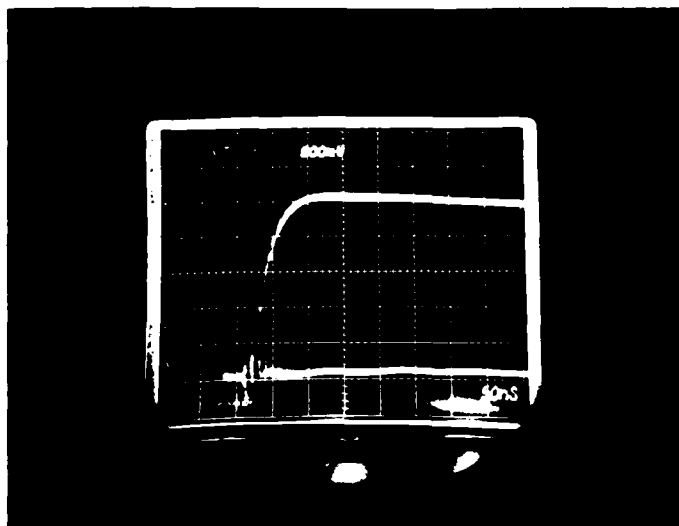


969

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-
Data Link	
Comments:	

Date	6-6-85
Test Point	44-CH-1/10-E
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V ( <del>1000V</del> ) mV/div 1
Horizontal	ns/div 2
Vertical	860V mV/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	

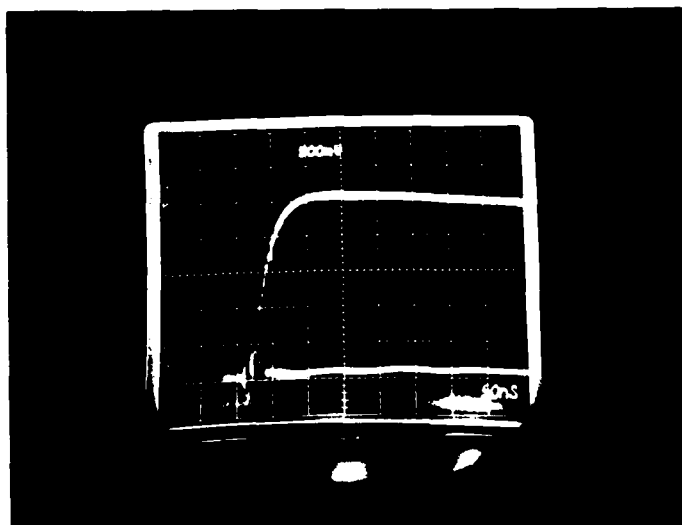
970



970

Date	6-6-85
Test Point	44R-CH-1/10-E
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V ( <del>1000V</del> ) mV/div 1
Horizontal	ns/div 2
Vertical	860V mV/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	

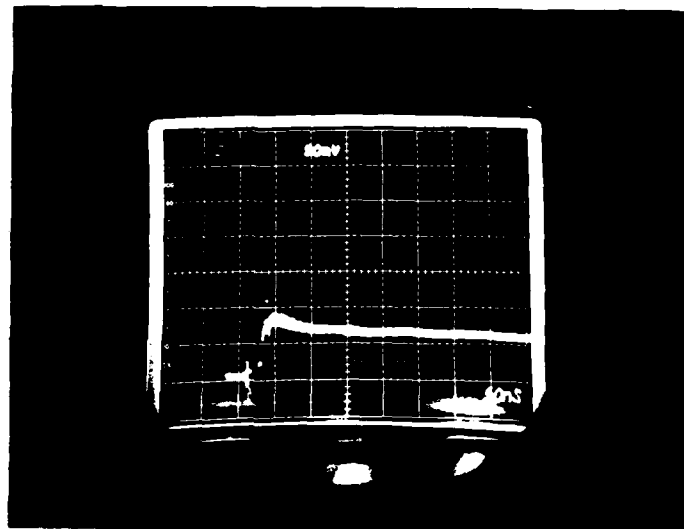
971



971



Date	6-6-85
Test Point	44-CH-1/10-E
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V ( <del>100V</del> ) mV/div 1
Horizontal	ns/div 2
Vertical	86V ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	

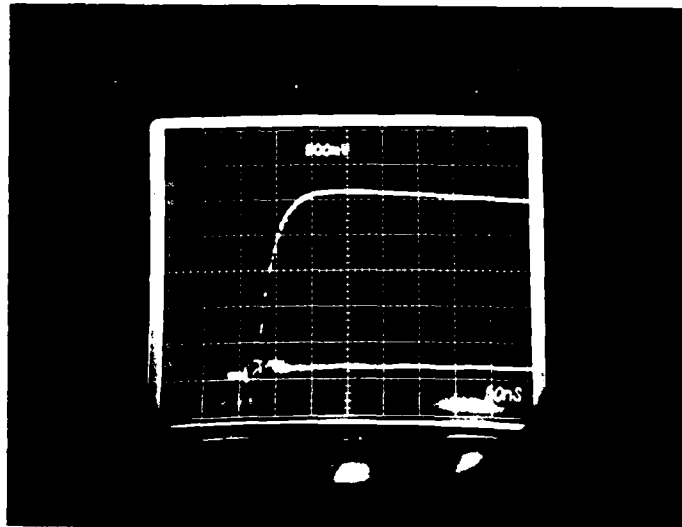


972

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

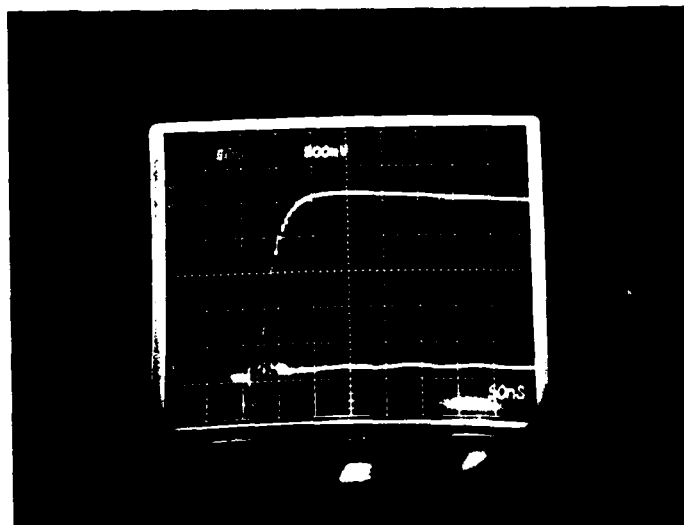
Date 6-7-85  
 Test Point 47-CH-1/10-A  
 Amplification 0 dB  
 Attenuation 20 dB  
 Horizontal ns/div 1  
 Vertical mV/div 1  
 Horizontal 50 ns/div 2  
 Vertical .5V(860V) mV/div 2  
 Configuration  
 Pulsar Level +4500V  
 Data Link  
 Comments:

982

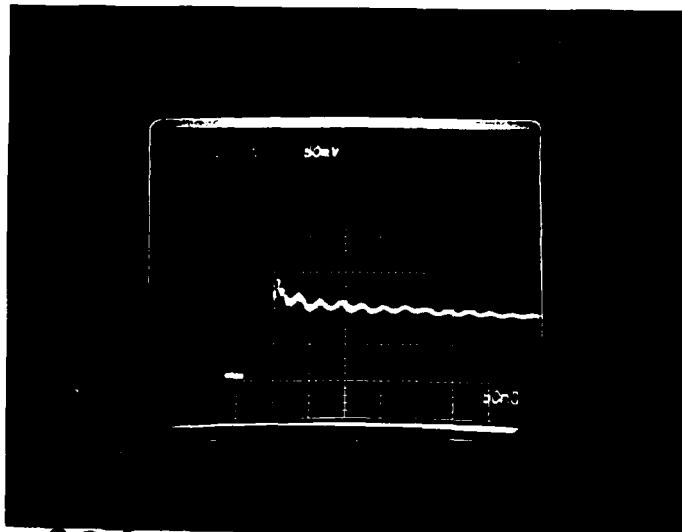


Date 6-7-85  
 Test Point 47R-CH-1/10-A  
 Amplification 0 dB  
 Attenuation 20 dB  
 Horizontal ns/div 1  
 Vertical mV/div 1  
 Horizontal 50 ns/div 2  
 Vertical .5V(860V) mV/div 2  
 Configuration  
 Pulsar Level -4500V  
 Data Link  
 Comments:

983



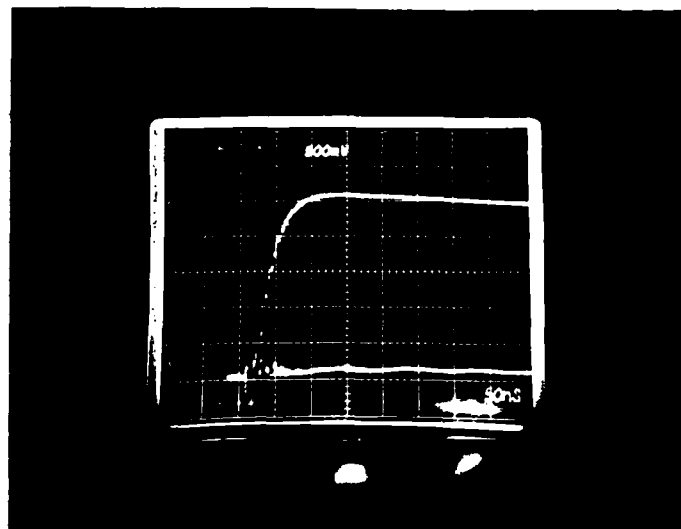
Date	G-7-85
Test Point	42-CH-1/10-A
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	.05V (86V) ns/div 2
Configuration	
Pulser Level	4500V
Data Link	
Comments:	724



984

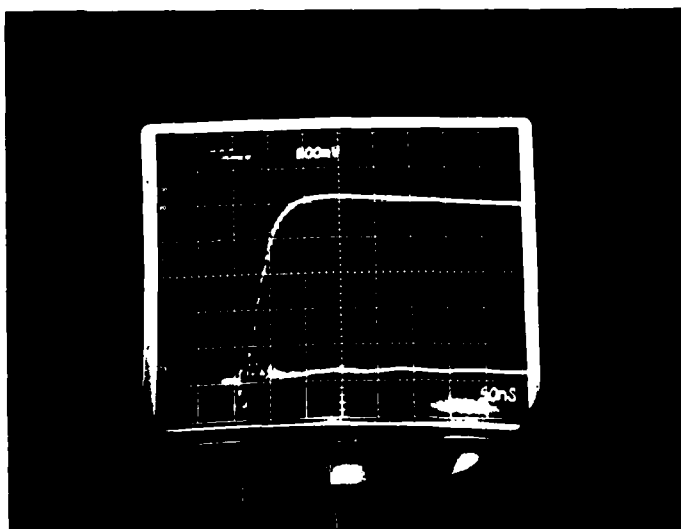
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date 6-7-85  
 Test Point 47-CH-1/10-B  
 Amplification 0 dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical ~~500 mV/div~~ mV/div 1  
 Horizontal ns/div 2  
 Vertical .5V (860V) ns/div 2  
 Configuration  
 Pulser Level +4500V  
 Data Link  
 Comments:



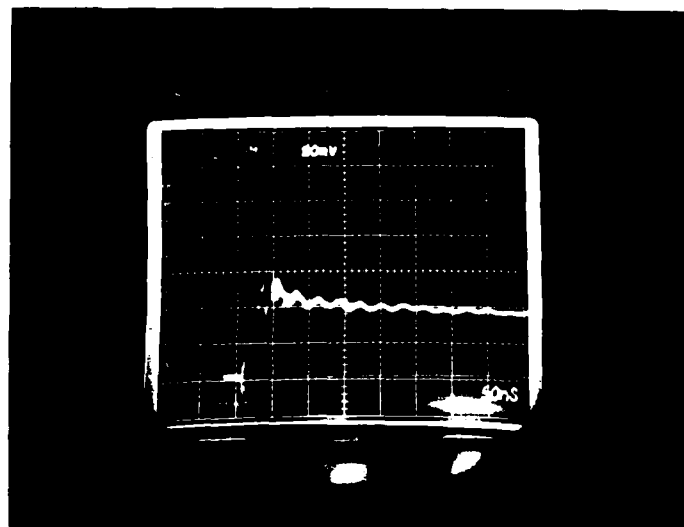
985

Date 6-7-85  
 Test Point 47R-CH-1/10-B  
 Amplification 0 dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical mV/div 1  
 Horizontal ns/div 2  
 Vertical .5V (860V) ns/div 2  
 Configuration  
 Pulser Level -4500V  
 Data Link  
 Comments:



986

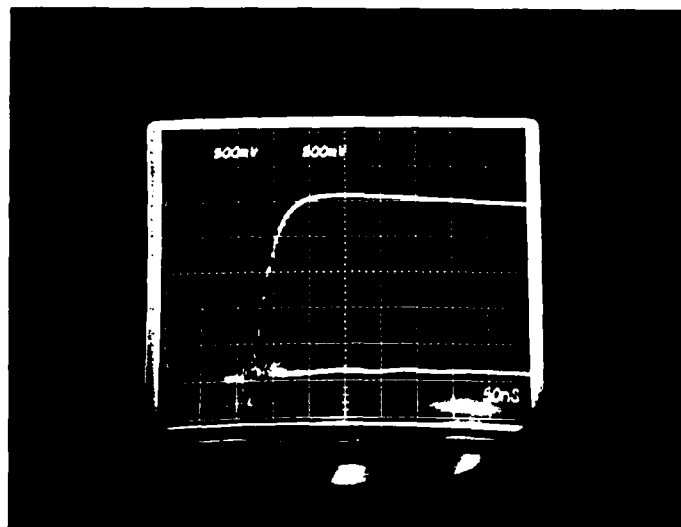
Date	6-7-85
Test Point	47-C14-100-B
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	0.05V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	4500V
Data Link	
Comments:	



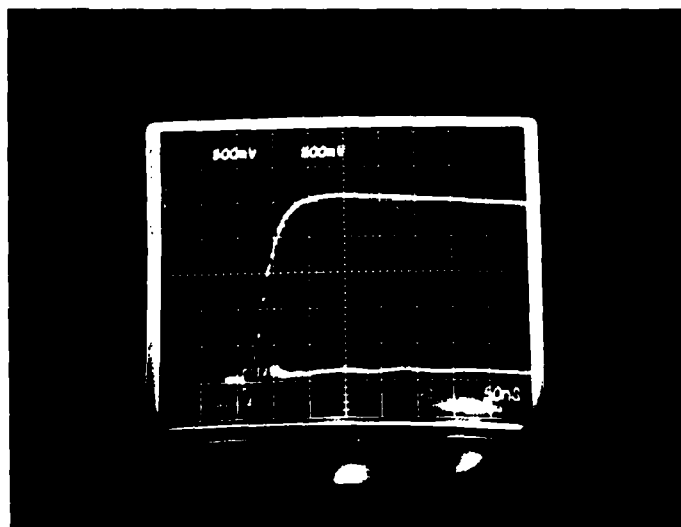
987

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

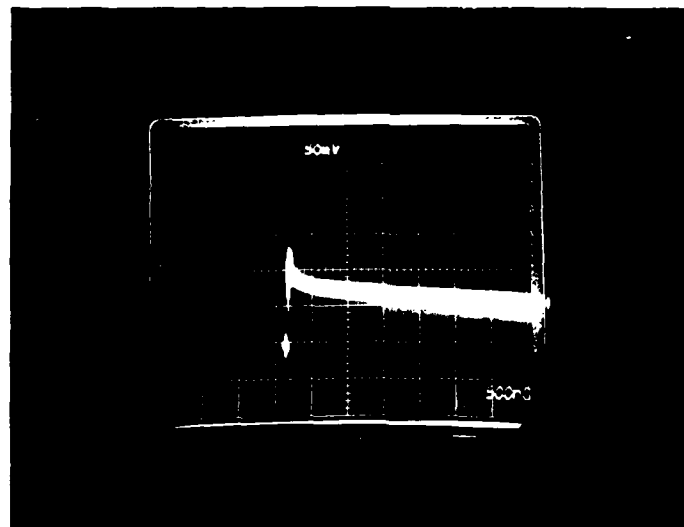
Date 6-7-85  
 Test Point 47-CH-1/10-C  
 Amplification 0 dB  
 Attenuation 20 dB  
 Horizontal ns/div 1  
 Vertical mV/div 1  
 Horizontal 50 ns/div 2  
 Vertical .5V(860V) ns/div 2  
 Configuration  
 Pulsar Level + 4500V  
 Data Link  
 Comments:



Date 6-7-85  
 Test Point 47R-CH-1/10-C  
 Amplification 0 dB  
 Attenuation 20 dB  
 Horizontal ns/div 1  
 Vertical mV/div 1  
 Horizontal 50 ns/div 2  
 Vertical .5V(860V) ns/div 2  
 Configuration  
 Pulsar Level - 4500V  
 Data Link  
 Comments:

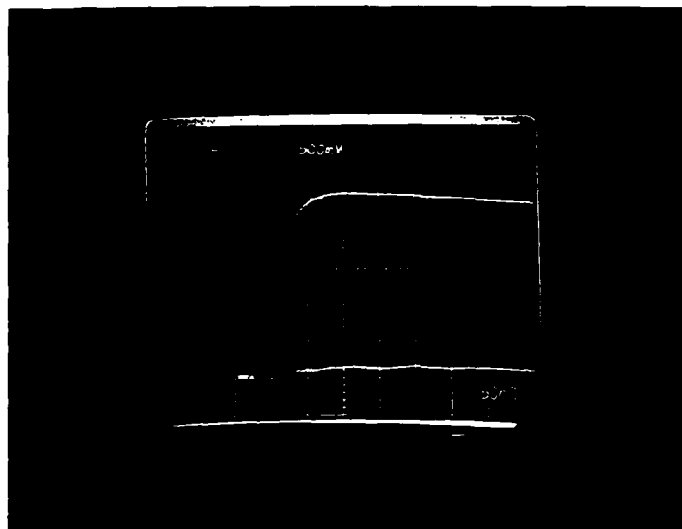


Date	6-7-85
Test Point	47-CH-1/10-c
Amplification	0 dB
Attenuation	20 dB
Horizontal	.5 $\mu$ SEC ns/div 1
Vertical	.05V (86V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	

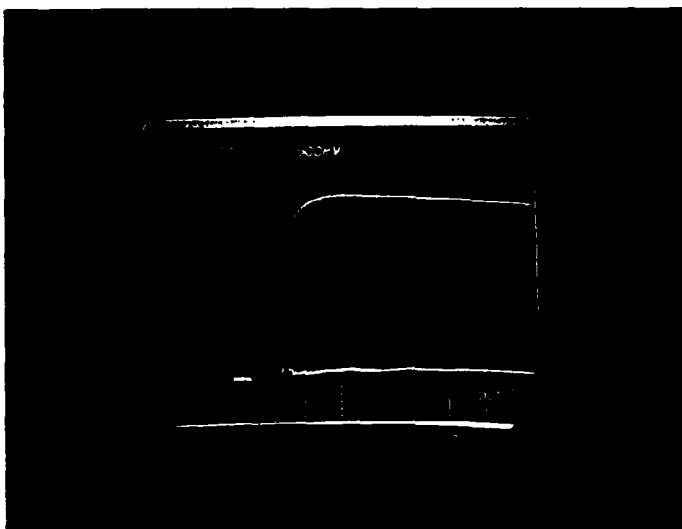


Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date 6-7-85  
 Test Point 47-CH-1/10-D  
 Amplification 0 dB  
 Attenuation 20 dB  
 Horizontal ns/div 1  
 Vertical mV/div 1  
 Horizontal 50 ns/div 2  
 Vertical .5V(860V) ns/div 2  
 Configuration  
 Pulsar Level + 4500 V  
 Data Link  
 Comments:

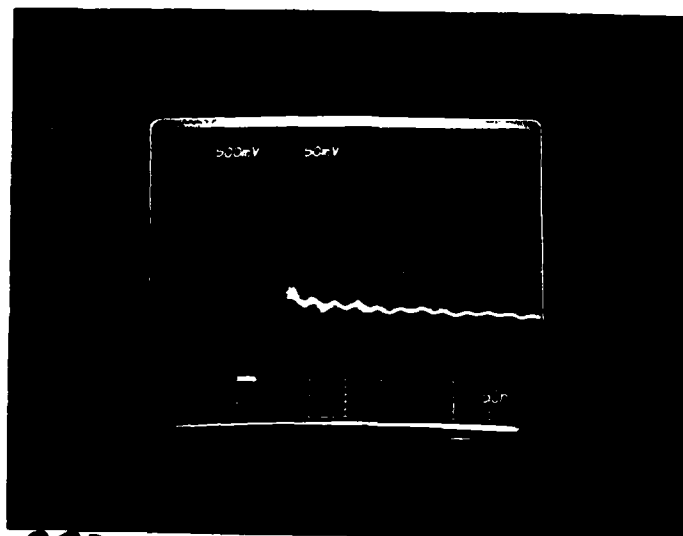


Date 6-7-85  
 Test Point 47R-CH-1/10-D  
 Amplification 0 dB  
 Attenuation 20 dB  
 Horizontal ns/div 1  
 Vertical mV/div 1  
 Horizontal 50 ns/div 2  
 Vertical .5V(860V) ns/div 2  
 Configuration  
 Pulsar Level - 4500 V  
 Data Link  
 Comments:





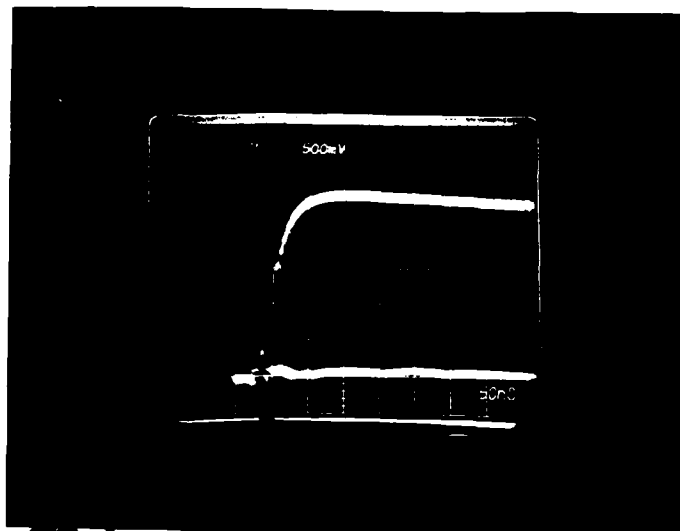
Date	6-7-85
Test Point	47-CH-1/10- D
Amplification	0 dB
Attenuation	20 dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	50 ns/div 2
Vertical	.05V(86V) mV/div 2
Configuration	
Pulser Level	4500 V
Data Link	
Comments:	



993

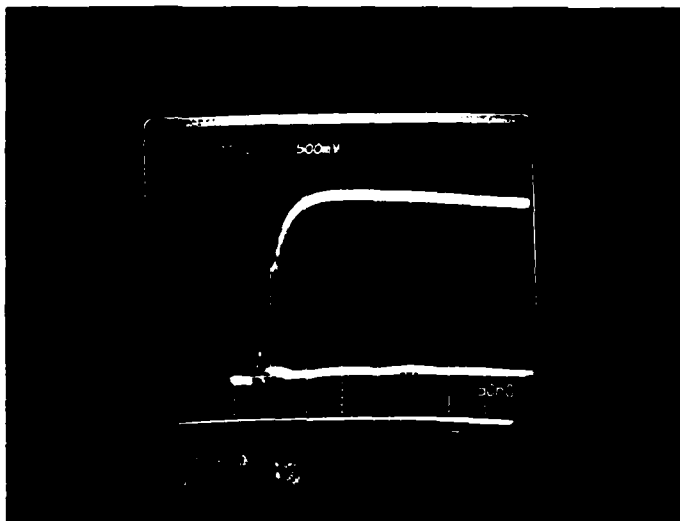
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date 6-7-85  
 Test Point 47-CH-1/10-E  
 Amplification 0 dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V(1000V) mV/div 1  
 Horizontal ns/div 2  
 Vertical (860V) ns/div 2  
 Configuration  
 Pulsar Level + 4500V  
 Data Link  
 Comments:



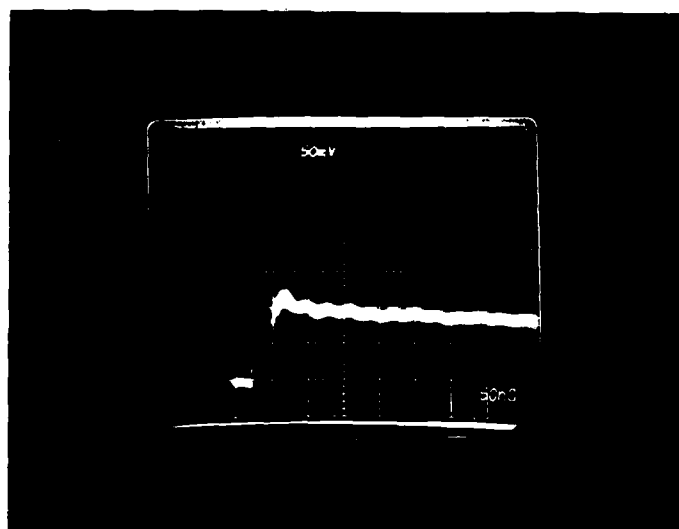
994

Date 6-7-85  
 Test Point 47R-CH-1/10-E  
 Amplification 0 dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V(1000V) mV/div 1  
 Horizontal ns/div 2  
 Vertical (860V) ns/div 2  
 Configuration  
 Pulsar Level -4500V  
 Data Link  
 Comments:



995

Date	6-7-85
Test Point	47-CH-410-E
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	0.5V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	(86V) ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	77:



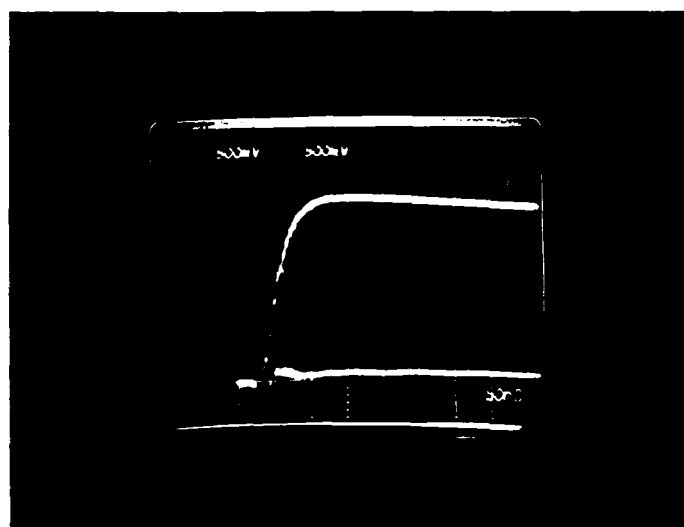
996

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date	6-7-85
Test Point	50-CH-1/10-A
Amplification	0 dB
Attenuation	20 dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	50 ns/div 2
Vertical	.5V(860) ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	

Comments:

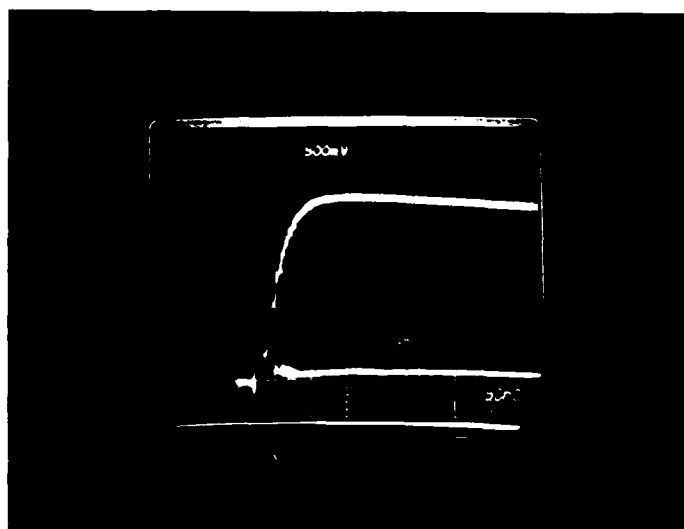
997



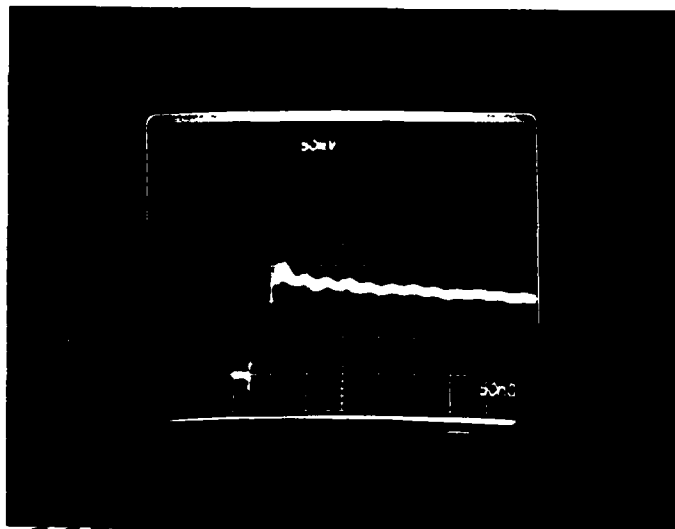
Date	6-7-85
Test Point	50R-CH-1/10-A
Amplification	0 dB
Attenuation	20 dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	50 ns/div 2
Vertical	.5V(860V) ns/div 2
Configuration	
Pulser Level	- 4500V
Data Link	

Comments:

998



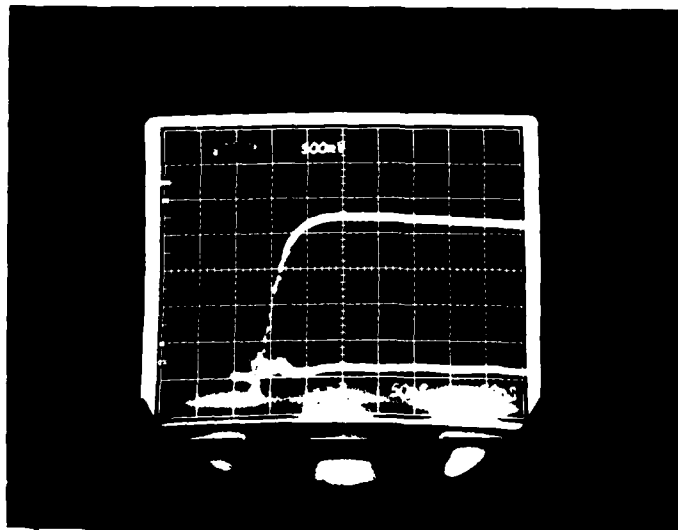
Date	6-7-85
Test Point	50-CH-1/10-A
Amplification	0 dB
Attenuation	20 dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	.05V(100V) ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	4500V
Data Link	
Comments:	977



Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date	6-7-85
Test Point	50-CH-1/10-B
Amplification	0 dB
Attenuation	20 dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	30 ns/div 2
Vertical	.5V(1000V) ns/div 2
Configuration	
Pulser Level	4500V
Data Link	
Comments:	

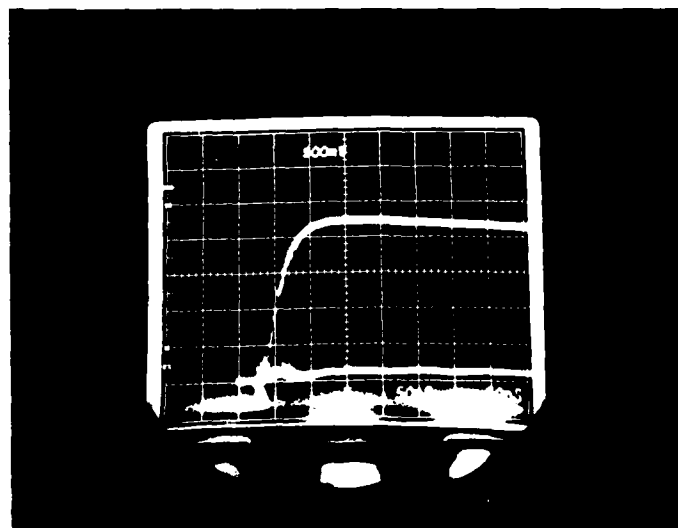
10



1000

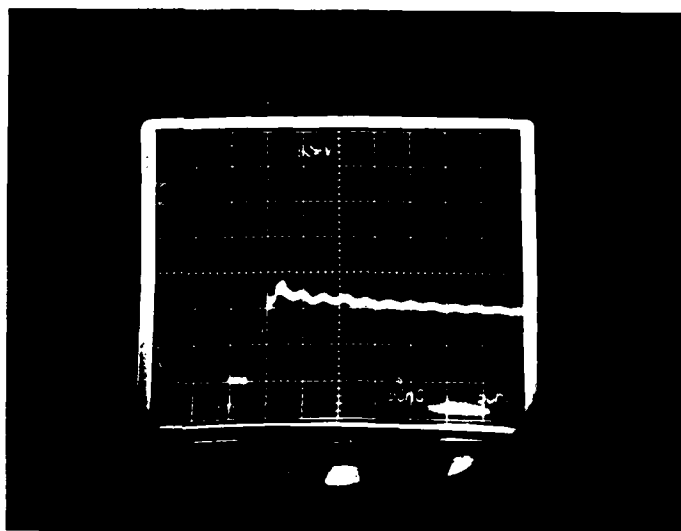
Date	6-7-85
Test Point	50R-CH-1/10-B
Amplification	0 dB
Attenuation	20 dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	- 4500V
Data Link	
Comments:	

10



1001

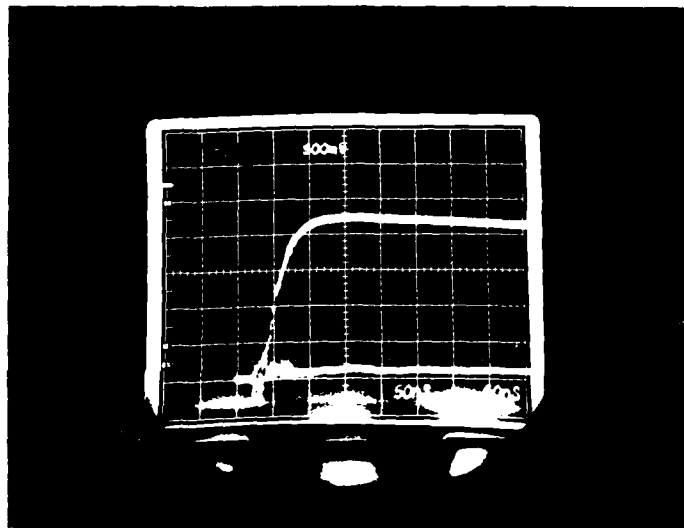
Date	6-7-85
Test Point	5D-CH-1/10-B
Amplification	0 dB
Attenuation	20 dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	50 ns/div 2
Vertical	0.5V (100V) ns/div 2
Configuration	
Pulser Level	4500V
Data Link	
Comments:	



1002

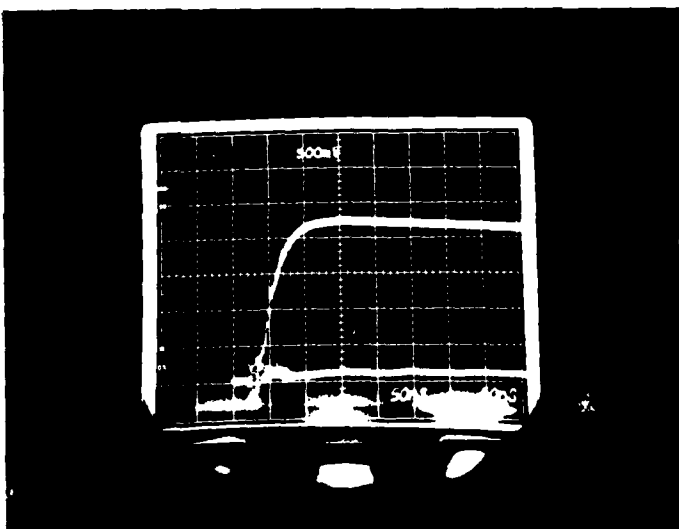
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date	6-7-85
Test Point	50-CH-1/10-C
Amplification	0 dB
Attenuation	20 dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	50 ns/div 2
Vertical	.5V(1000V) ns/div 2
Configuration	
Pulser Level	4500V
Data Link	
Comments:	



1003

Date	6-7-85
Test Point	50R-CH-1/10-C
Amplification	0 dB
Attenuation	20 dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	50 ns/div 2
Vertical	.5V(1000V) ns/div 2
Configuration	
Pulser Level	- 4500V
Data Link	
Comments:	



1004



AD-A164 433

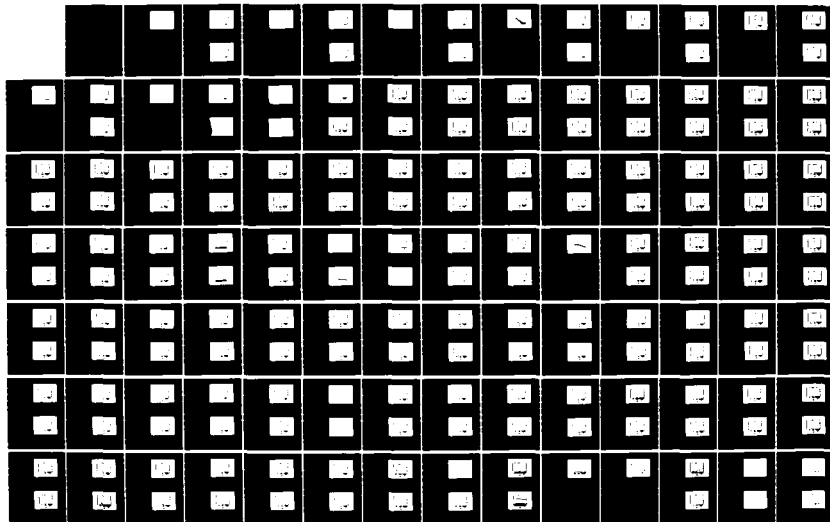
ELECTROMAGNETIC PULSE/TRANSIENT THREAT TESTING OF  
PROTECTION DEVICES FOR. (U) ELECTROSPACE SYSTEMS INC.  
ARLINGTON VA D BODSON ET AL. 31 OCT 85

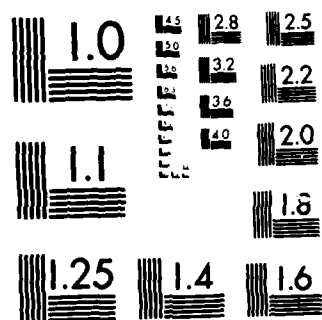
3/3

UNCLASSIFIED

NCS-TIB-85-10-VOL-3-SEC-2 DCA100-85-C-0010 F/G 20/14

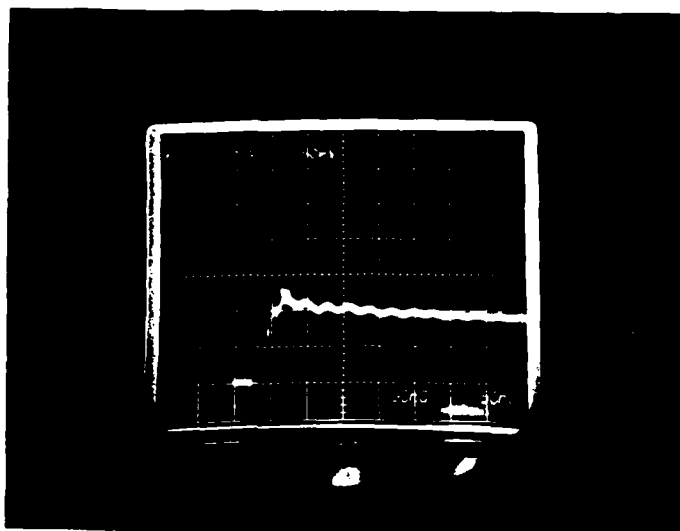
NL





MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A

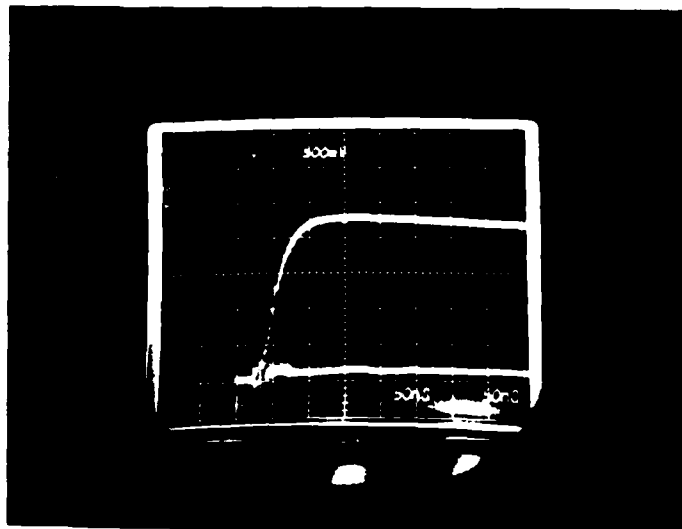
Date	6-7-85
Test Point	50-CH-1/10-C
Amplification	0 dB
Attenuation	20 dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	50 ns/div 2
Vertical	.05V(100V) ns/div 2
Configuration	
Pulse Level	4500V
Data Link	
Comments:	



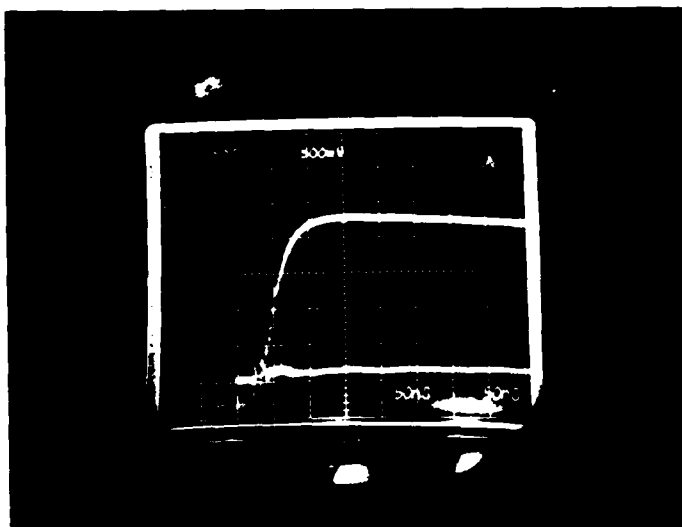
1005

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	
Data Link	
Comments:	

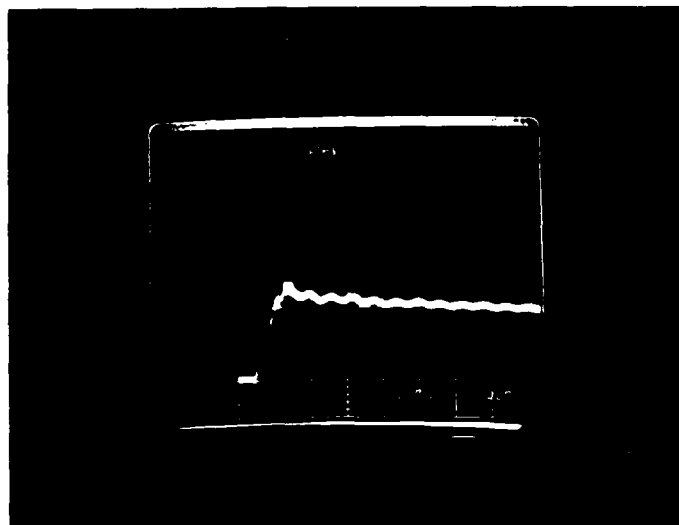
Date	6-7-85
Test Point	50-CH-400-D
Amplification	0 dB
Attenuation	20 dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	50 ns/div 2
Vertical	.5V(1000V) ns/div 2
Configuration	
Pulser Level	4500V
Data Link	
Comments:	1006



Date	6-7-85
Test Point	50R-CH-100-D
Amplification	0 dB
Attenuation	20 dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	50 ns/div 2
Vertical	.5V(1000V) ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	1007



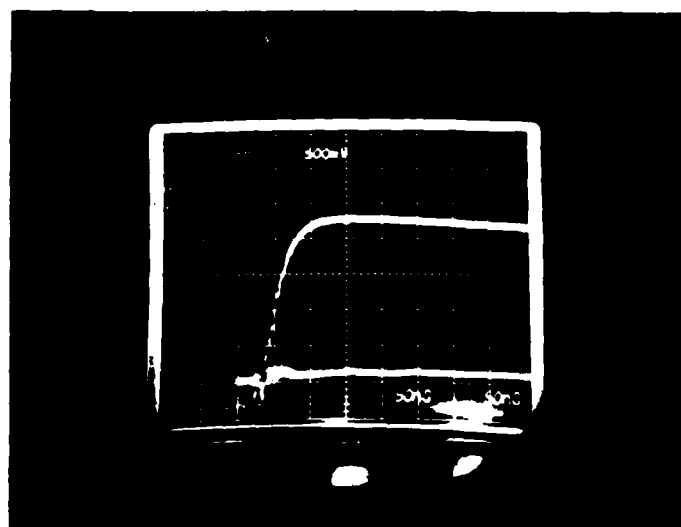
Date	6-7-85
Test Point	50-CH-1/co-D
Amplification	0 dB
Attenuation	20 dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	50 ns/div 2
Vertical	.05V(100V) ns/div 2
Configuration	
Pulser Level	4500V
Data Link	
Comments:	



1008

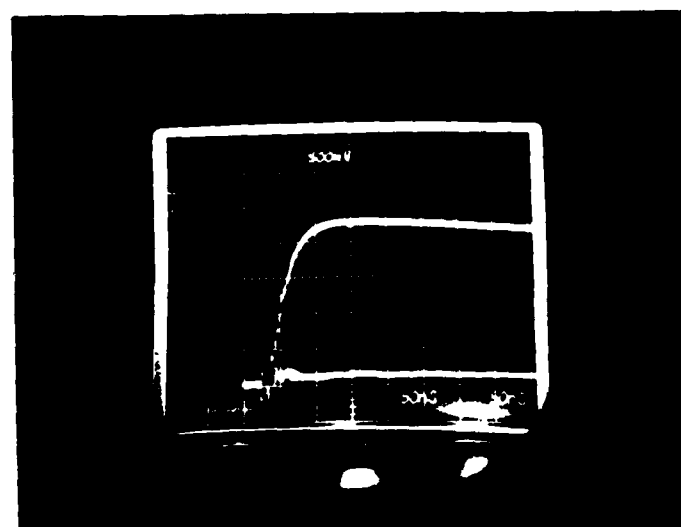
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date 6-7-85  
 Test Point 5D-CH-1/10-E  
 Amplification 0 dB  
 Attenuation 20 dB  
 Horizontal ns/div 1  
 Vertical mV/div 1  
 Horizontal 50 ns/div 2  
 Vertical .5V (1000V) ns/div 2  
 Configuration  
 Pulse Level + 4500V  
 Data Link  
 Comments:



1009

Date 6-7-85  
 Test Point 50R-CH-4/10-E  
 Amplification 0 dB  
 Attenuation 20 dB  
 Horizontal ns/div 1  
 Vertical mV/div 1  
 Horizontal 50 ns/div 2  
 Vertical .5V (1000V) ns/div 2  
 Configuration  
 Pulse Level - 4500V  
 Data Link  
 Comments:

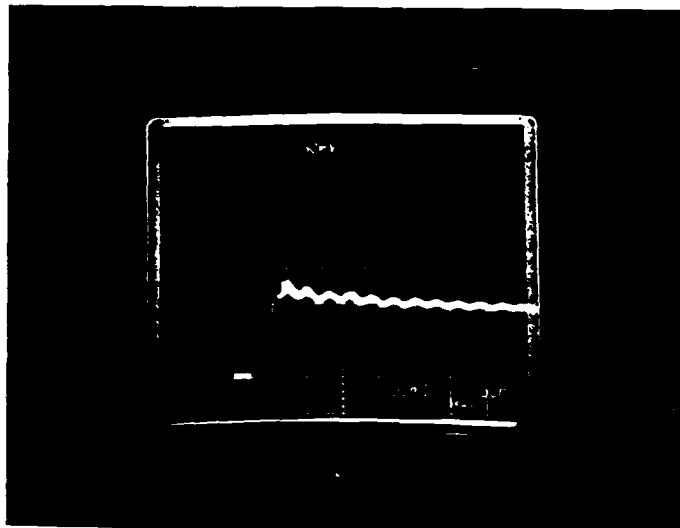


1010

Date	6-7-85
Test Point	50-CH-1/10-E
Amplification	0 dB
Attenuation	20 dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	50 ns/div 2
Vertical	.05V (100V) ns/div 2
Configuration	
Pulser Level	+4500V
Date Link	

Comments:

1011

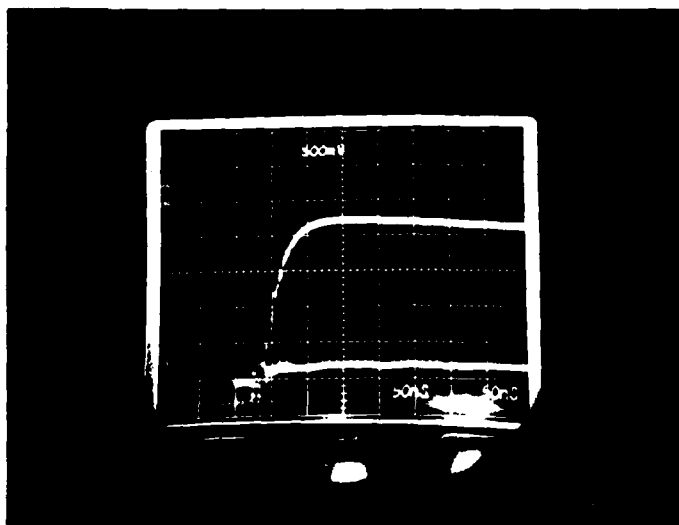


1011

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Date Link	

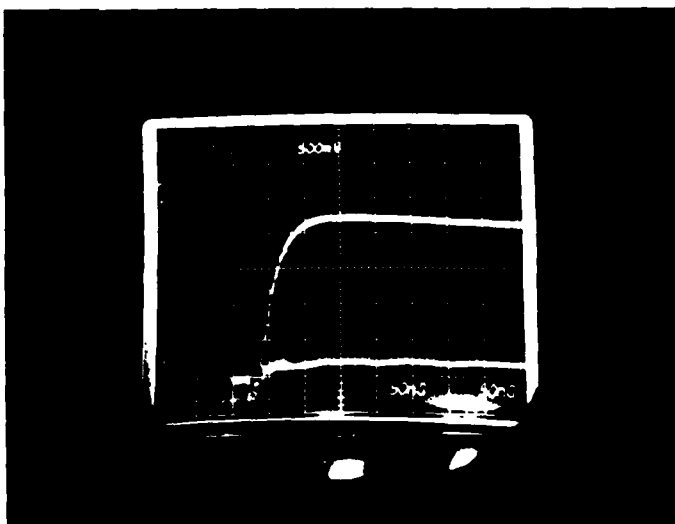
Comments:

Date 6-7-85  
 Test Point 53-CH-410-A  
 Amplification dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V (1000V) mV/div 1  
 Horizontal ns/div 2  
 Vertical ns/div 2  
 Configuration  
 Pulsar Level +4500V  
 Data Link  
 Comments:



1015

Date 6-7-85  
 Test Point 53R-CH-410-A  
 Amplification dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V (1000V) mV/div 1  
 Horizontal ns/div 2  
 Vertical ns/div 2  
 Configuration  
 Pulsar Level -4500V  
 Data Link  
 Comments:

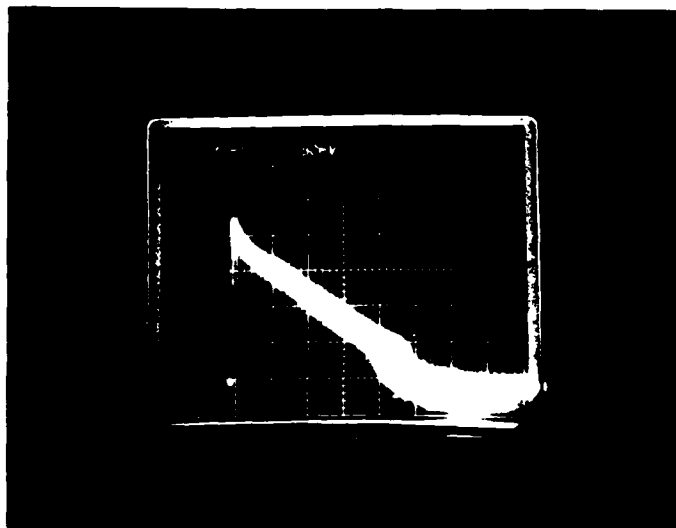


1016



Date	6-7-85
Test Point	53-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	2 $\mu$ SEC $\mu$ s/div 1
Vertical	.05V(100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500 V
Data Link	

Comments:



1014

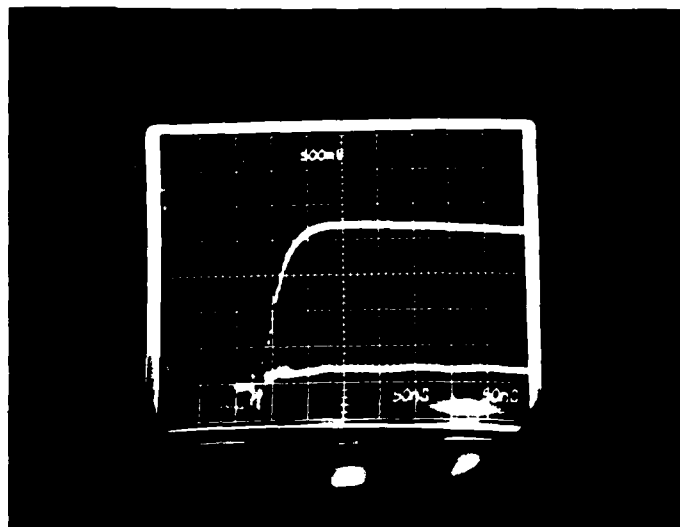
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	

Comments:

Date 6-7-85  
 Test Point 53-CH-1/10-B  
 Amplification dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V(1000V) mV/div 1  
 Horizontal ns/div 2  
 Vertical ns/div 2  
 Configuration  
 Pulsar Level 4500V  
 Data Link

Comments:

1018

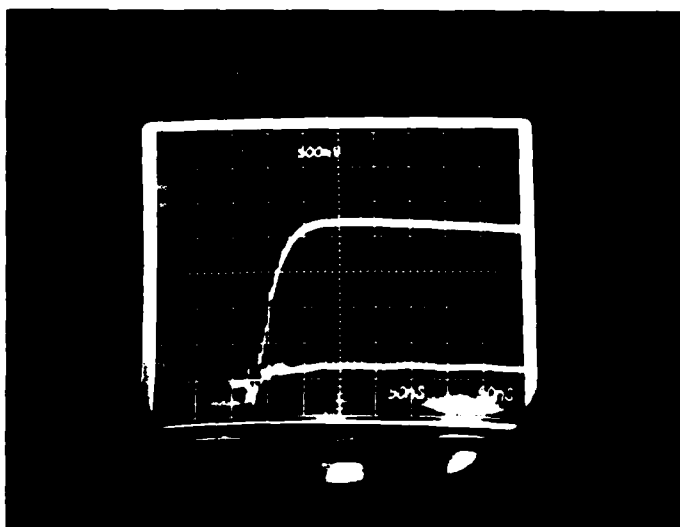


1018

Date 6-7-85  
 Test Point 53R-CH-1/10-B  
 Amplification dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V(1000V) mV/div 1  
 Horizontal ns/div 2  
 Vertical ns/div 2  
 Configuration  
 Pulsar Level -4500V  
 Data Link

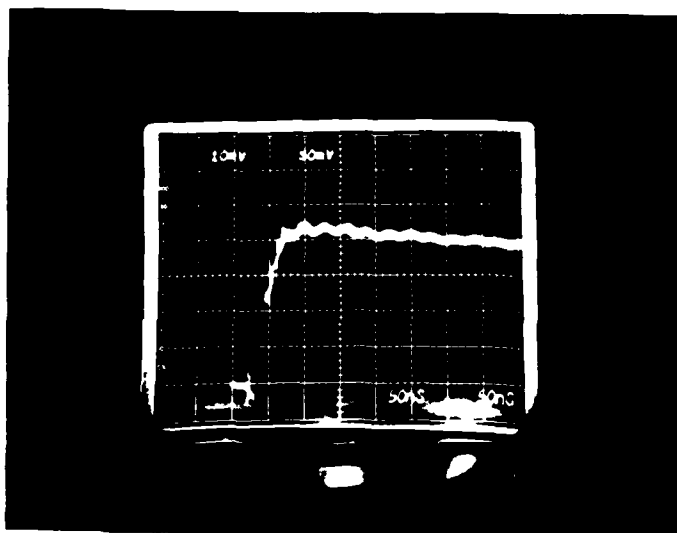
Comments:

1019



1019

Date	6-7-85
Test Point	53-CH-Y10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V(100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	4500V
Data Link	
Comments:	



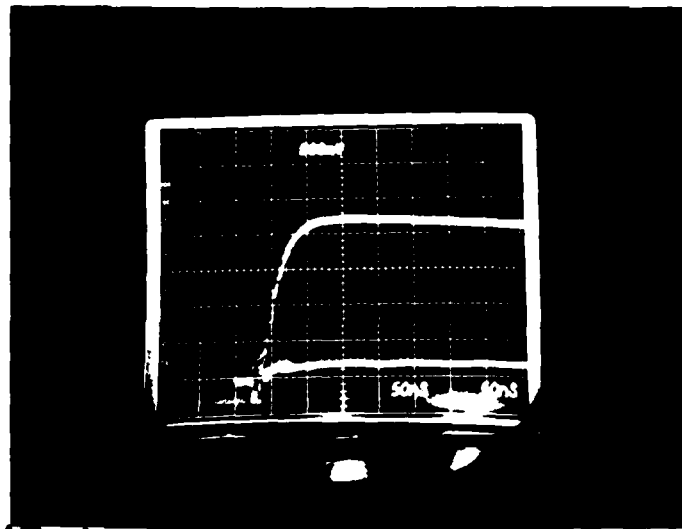
1020

50Nall

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	
Data Link	
Comments:	

Date 6-7-85  
 Test Point 53-CH-1/10-C  
 Amplification dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V(1000V) mV/div 1  
 Horizontal ns/div 2  
 Vertical ns/div 2  
 Configuration  
 Pulser Level 4500V  
 Data Link  
 Comments:

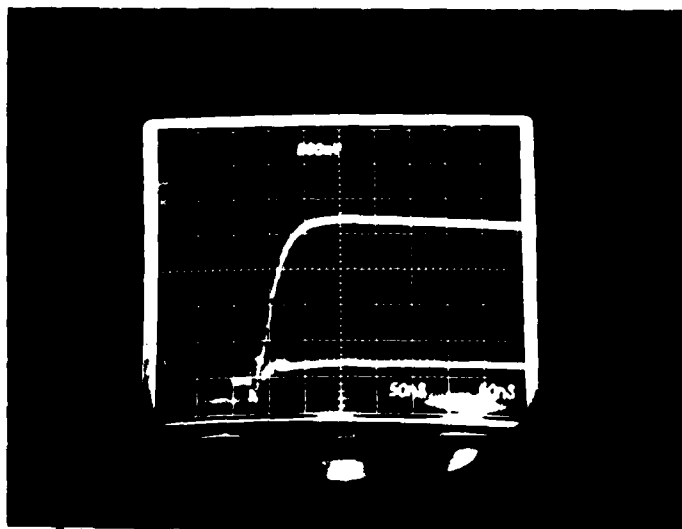
1021



1021

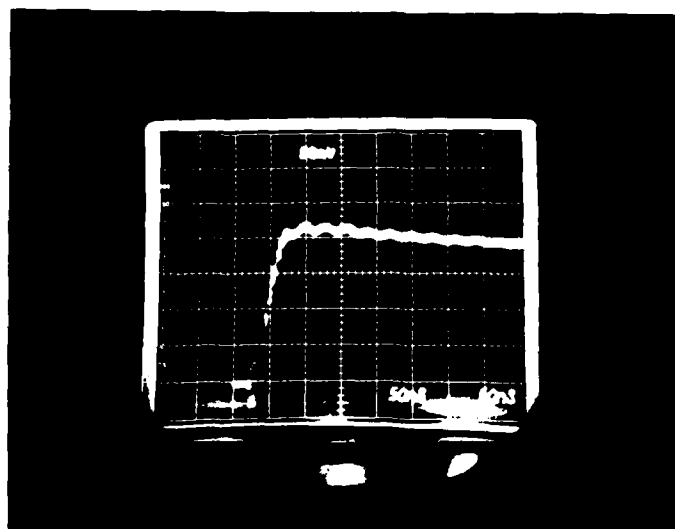
Date 6-7-85  
 Test Point 53R-CH-1/10-C  
 Amplification dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V(1000V) mV/div 1  
 Horizontal ns/div 2  
 Vertical ns/div 2  
 Configuration  
 Pulser Level -4500V  
 Data Link  
 Comments:

1022



1022

Date	6-7-85
Test Point	53-CH-1/10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V(100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	+4500V
Data Link	
Comments:	

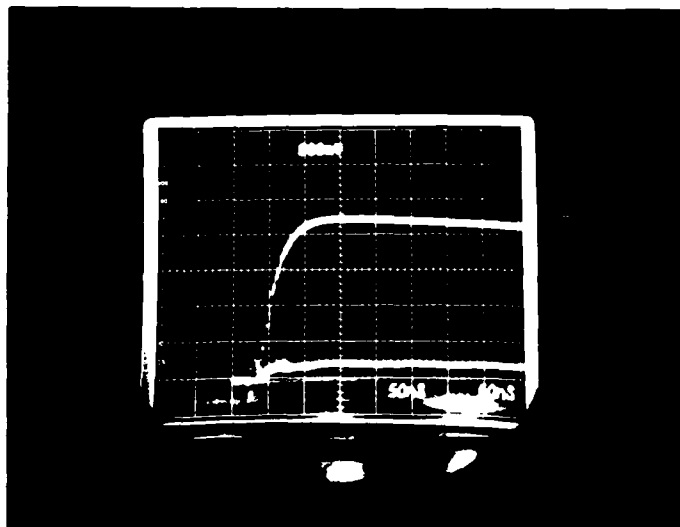


1023

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	
Data Link	
Comments:	

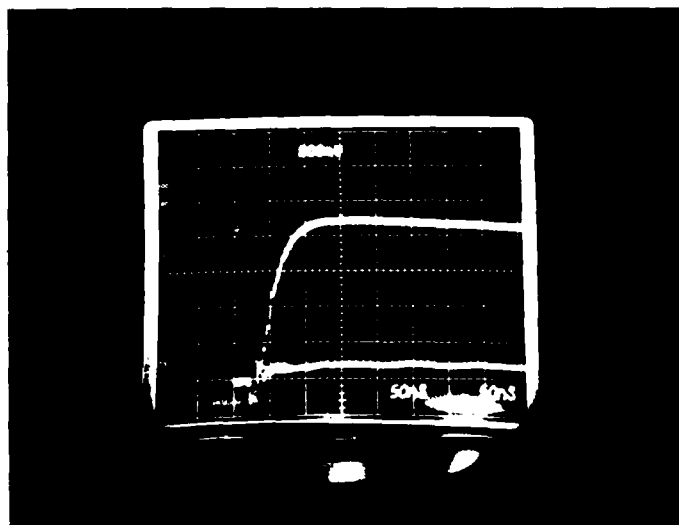
Date 6-7-85  
 Test Point 53-CH-1/10-D  
 Amplification dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V(1000V) mV/div 1  
 Horizontal ns/div 2  
 Vertical ns/div 2  
 Configuration  
 Pulser Level + 4500V  
 Data Link  
 Comments:

124

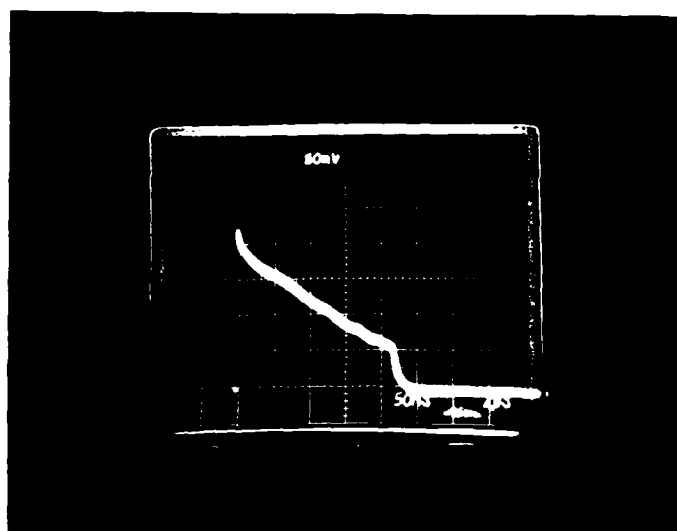


Date 6-7-85  
 Test Point 53R-CH-1/10-D  
 Amplification dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V(1000V) mV/div 1  
 Horizontal ns/div 2  
 Vertical ns/div 2  
 Configuration  
 Pulser Level - 4500V  
 Data Link  
 Comments:

125



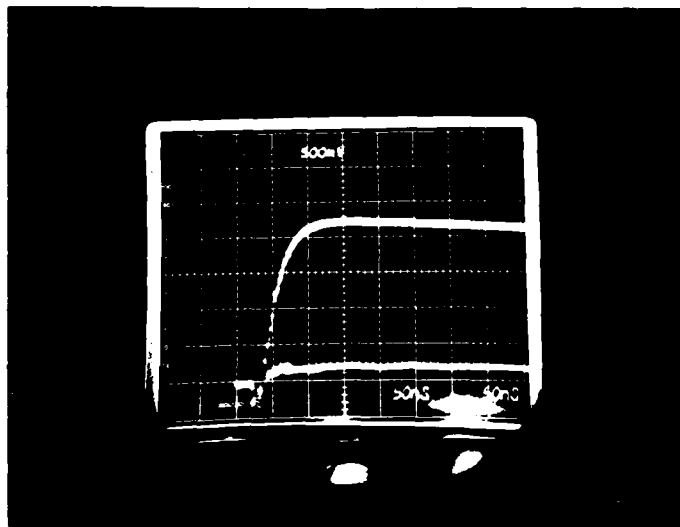
Date	6-7-85
Test Point	53-CH-1/10-D
Amplification	dB
Attenuation	20 dB
Horizontal	2 $\mu$ sec/div 1
Vertical	.05V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	+ 4500V
Data Link	
Comments:	



2  $\mu$  sec

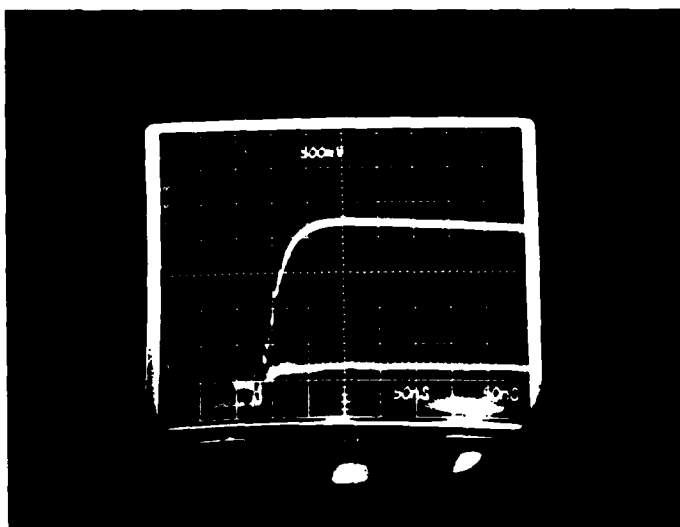
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	
Data Link	
Comments:	

Date	6-7-85
Test Point	53-CH-Y10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



1012

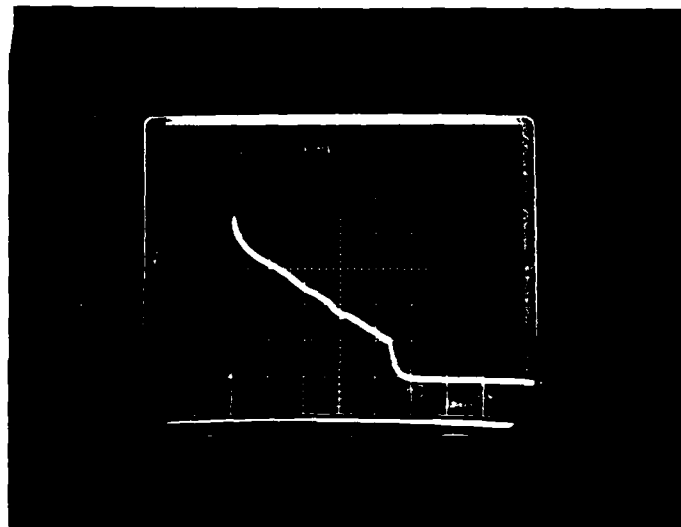
Date	6-7-85
Test Point	53R-CH-Y10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



1013



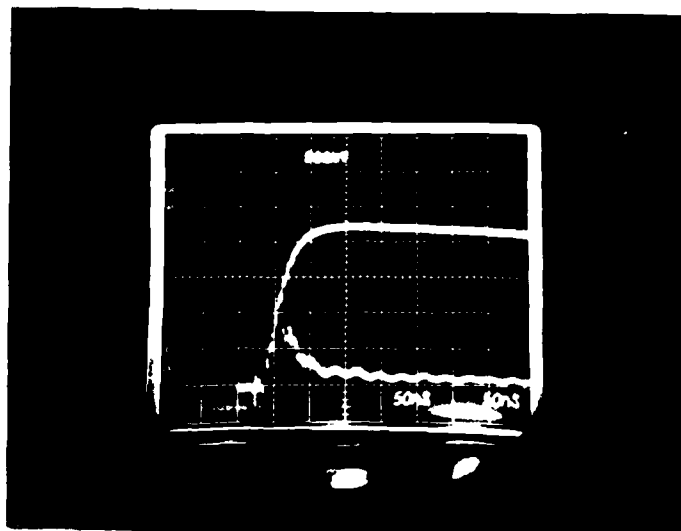
Date	6-7-85
Test Point	53-CH-1/10-E
Amplification	dB
Attenuation	20 dB
Horizontal	2.4 sec ns/div 1
Vertical	.05V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	4500V
Data Link	
Comments:	



1017

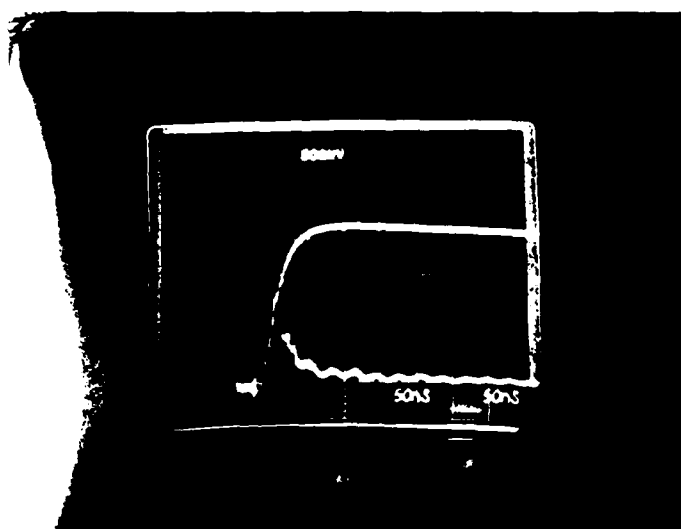
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	
Data Link	
Comments:	

Date	6-7-85
Test Point	56-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05 (100 V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500V
Date Link	
Comments:	



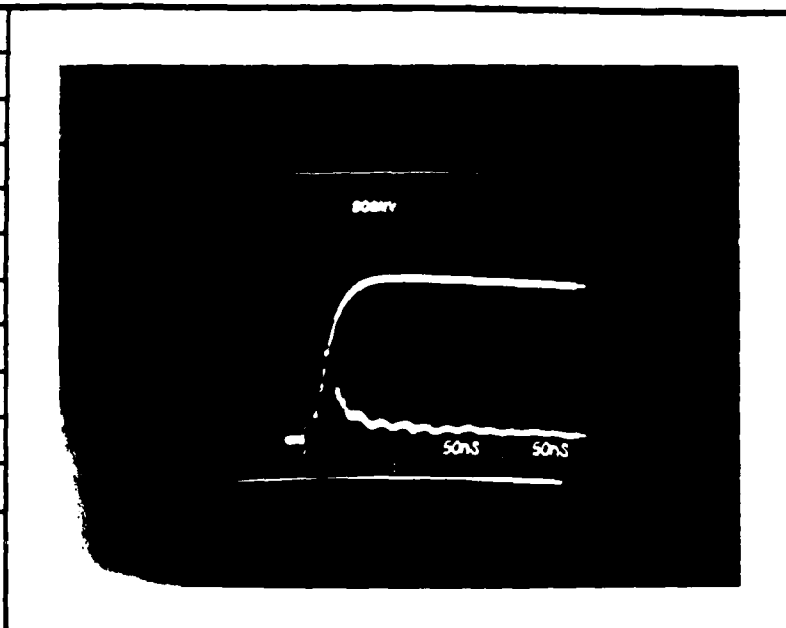
REF @ .5V (1000V)

Date	6-7-85
Test Point	56R-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Date Link	
Comments:	



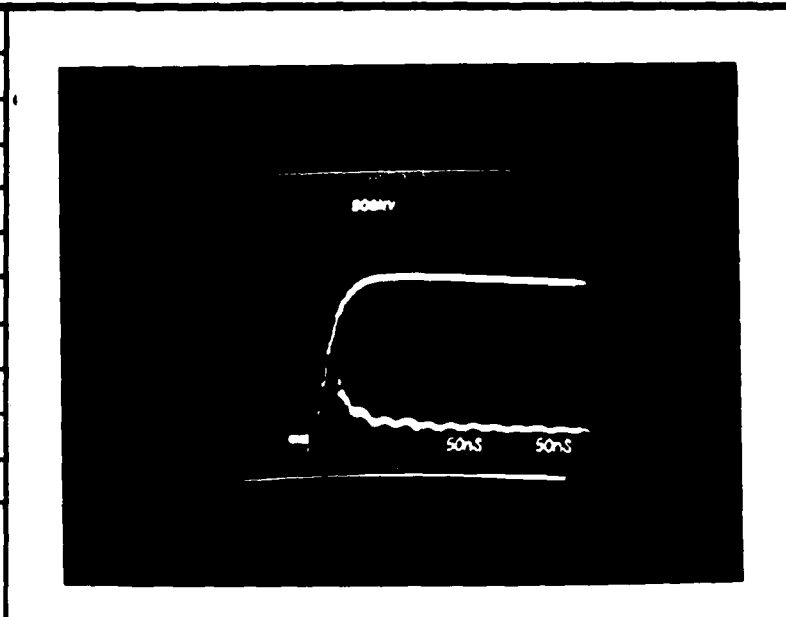
REF @ .5V (1000V)

Date	6-7-85
Test Point	56-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500V
Date Link	
Comments:	



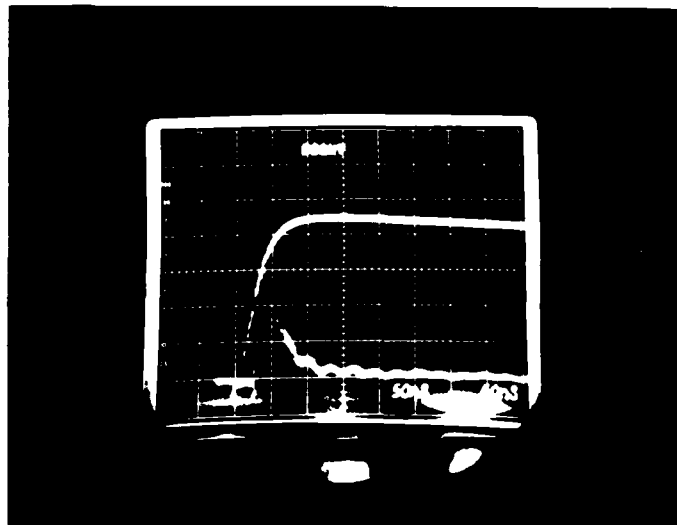
DATA @ .05 V (100V) div

Date	6-7-85
Test Point	56R-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	- 4500V
Date Link	
Comments:	



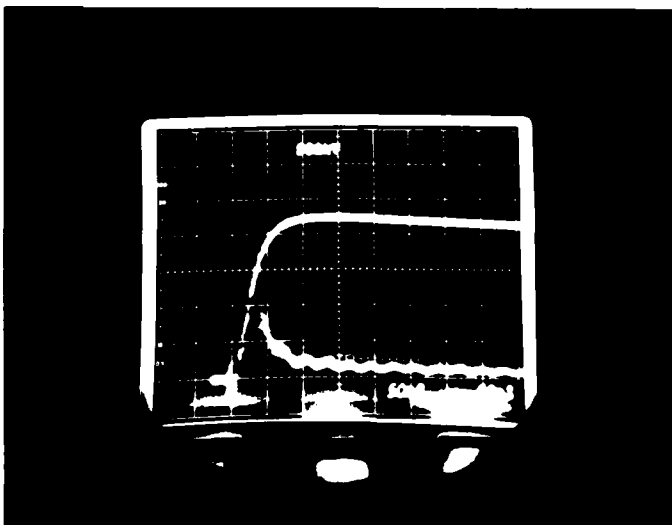
DATA @ .05 V (100V) div.

Date	6-7-85
Test Point	56-CH-1/10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



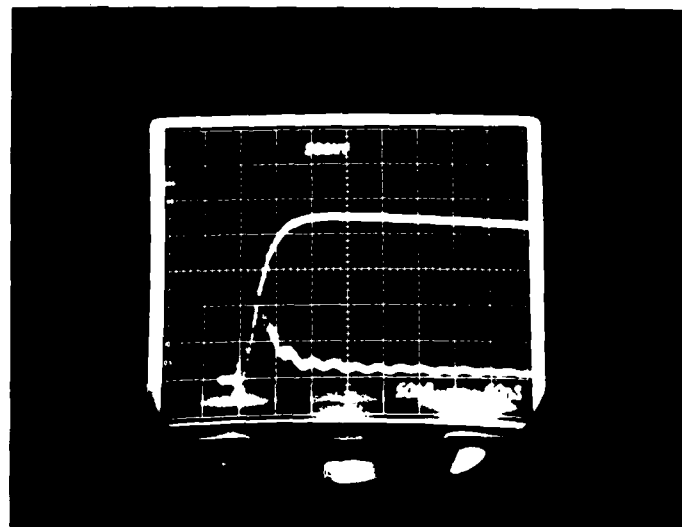
DATA @ .05V (100V)/DIV

Date	6-7-85
Test Point	56R-CH-1/10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



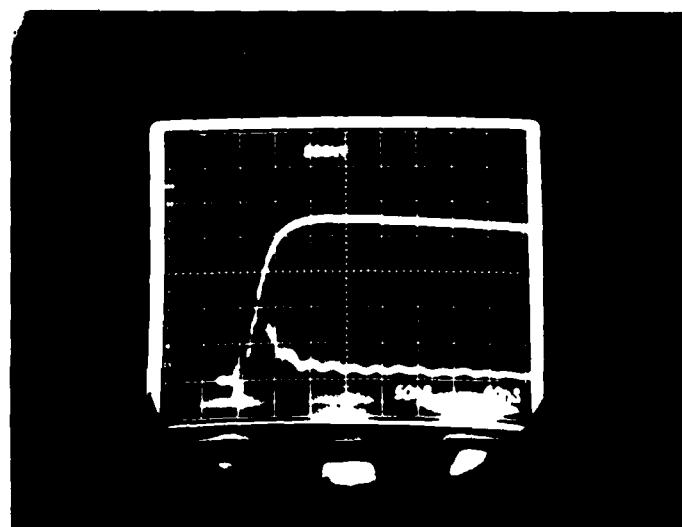
DATA @ .05V (100V) DIV

Date	6-7-85
Test Point	56-CH-1/10-P
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



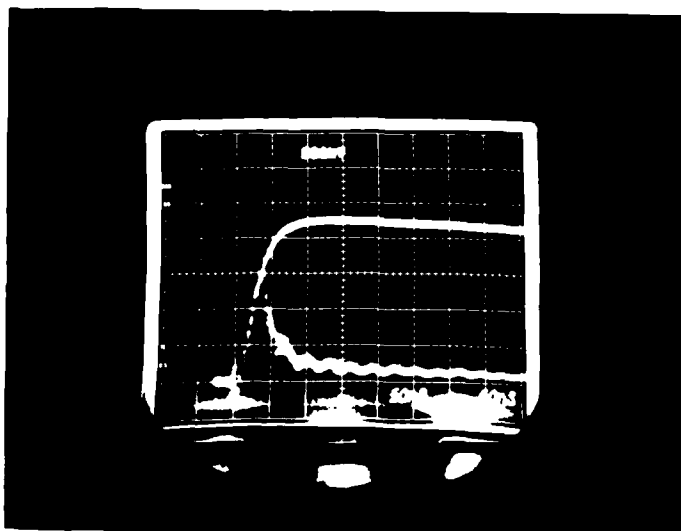
DATA @ .05V(100V)

Date	6-7-85
Test Point	56R-CH-1/10-P
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



DATA @ .05V(100V)

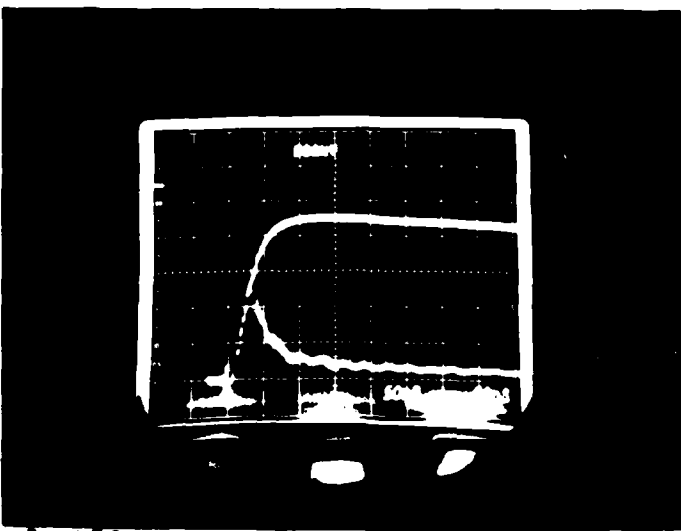
Date	6-7-85
Test Point	56-CH-1/10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	



103

DATA @ .05V(100V)

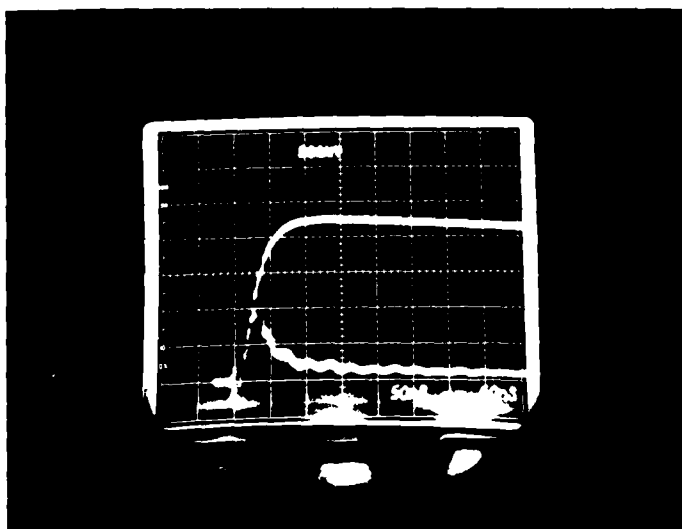
Date	6-7-85
Test Point	56R-CH-1/10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	- 4500V
Data Link	
Comments:	



1040

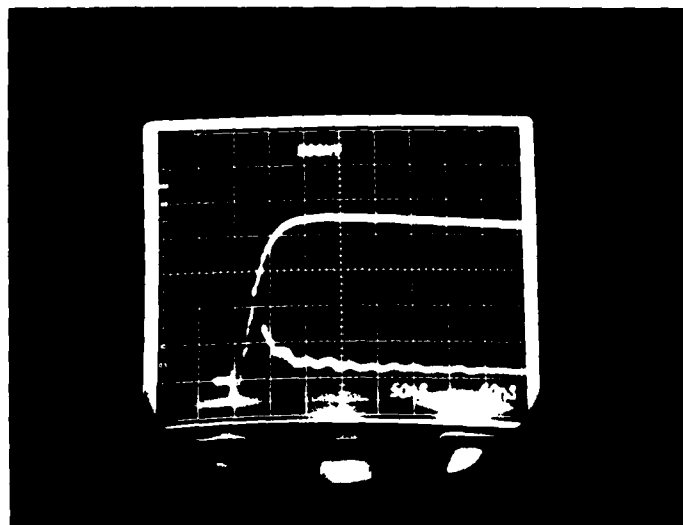
DATA @ .05V(100V)

Date 6-7-85  
 Test Point 59-CH-1/10-A  
 Amplification dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V(1000V) mV/div 1  
 Horizontal ns/div 2  
 Vertical ns/div 2  
 Configuration  
 Pulsar Level + 4500V  
 Data Link  
 Comments:



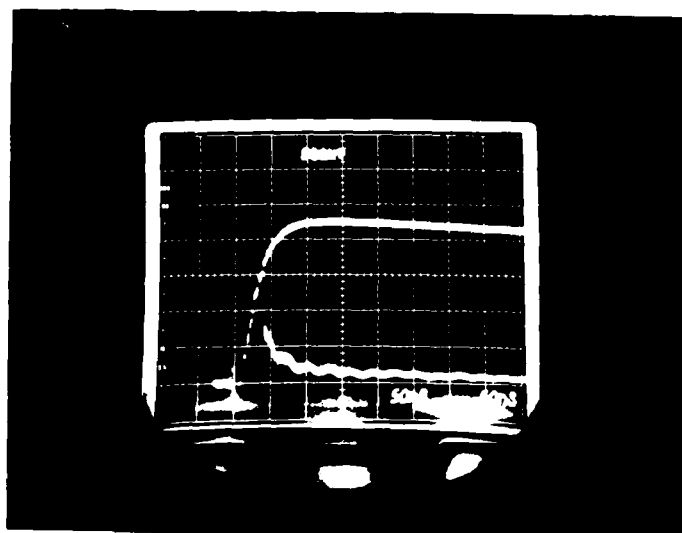
Data @ .05V(100V)

Date 6-7-85  
 Test Point 59R-CH-1/10-A  
 Amplification dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V(1000V) mV/div 1  
 Horizontal ns/div 2  
 Vertical ns/div 2  
 Configuration  
 Pulsar Level - 4500V  
 Data Link  
 Comments:



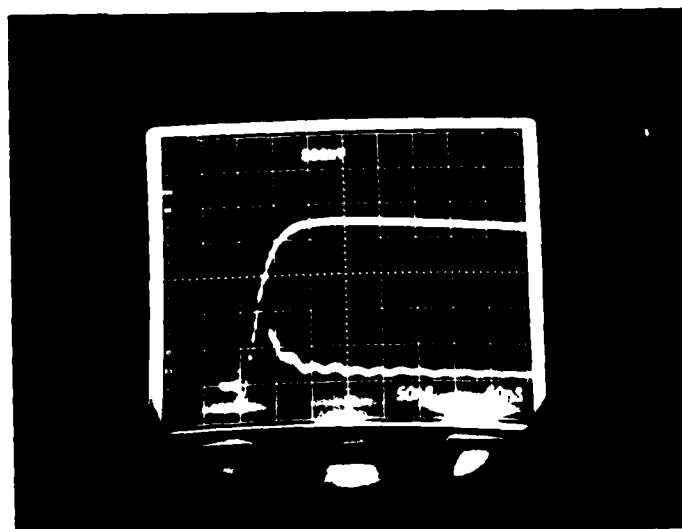
DATA @ .05V(100V)

Date 6-7-85  
 Test Point 59-CH-1/10-B  
 Amplification dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V(1000V) mV/div 1  
 Horizontal ns/div 2  
 Vertical ns/div 2  
 Configuration  
 Pulsar Level +4500V  
 Data Link  
 Comments:



DATA @ .05V(100V)

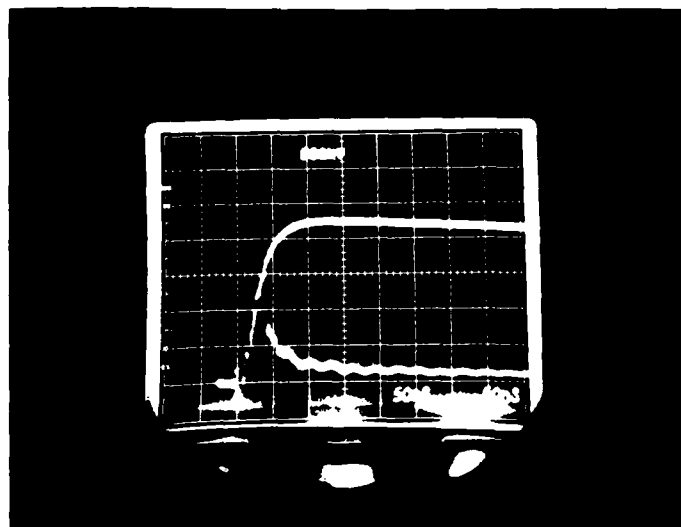
Date 6-7-85  
 Test Point 59R-CH-1/10-B  
 Amplification dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V(1000V) mV/div 1  
 Horizontal ns/div 2  
 Vertical ns/div 2  
 Configuration  
 Pulsar Level -4500V  
 Data Link  
 Comments:



DATA @ .05V(100V)-



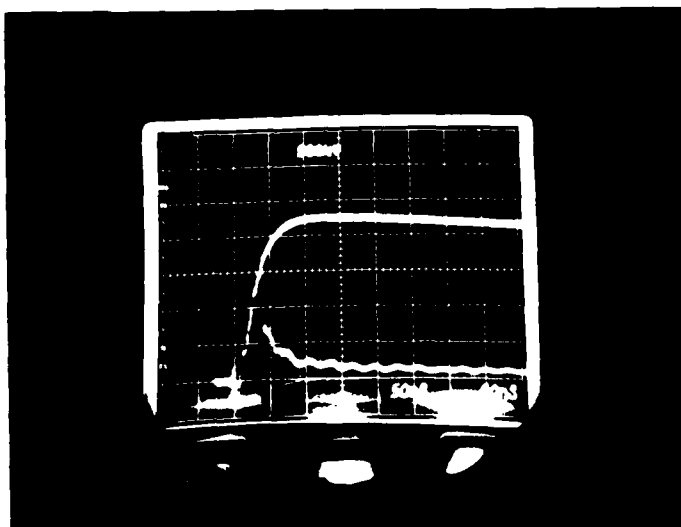
Date	6-7-85
Test Point	59-CH-1/10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	



1043

DATA @ .05V (100V)-

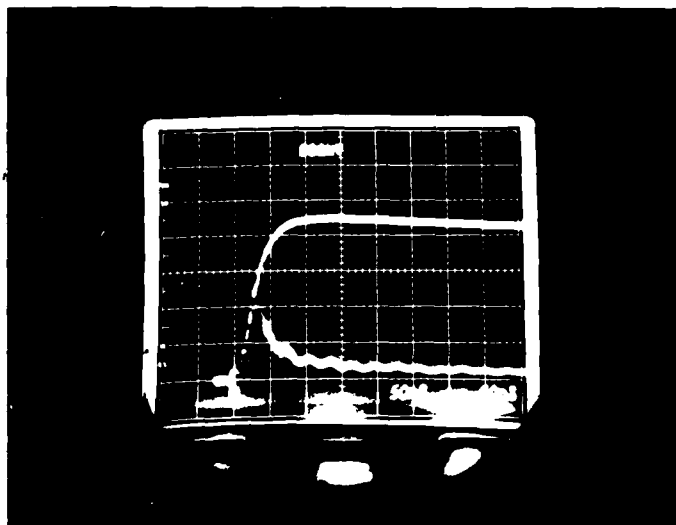
Date	6-7-85
Test Point	59R-CH-1/10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



1044

DATA @ .05V (100V)

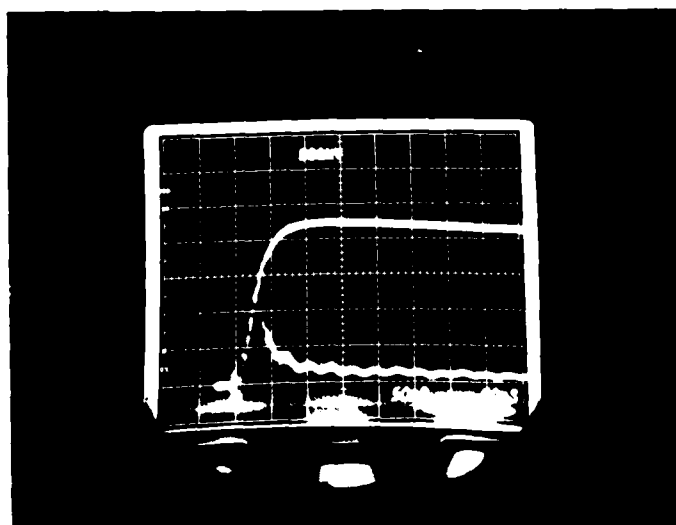
Date	6-7-85
Test Point	59-CH-1/10-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



1045

DATA @ .05V (100V)

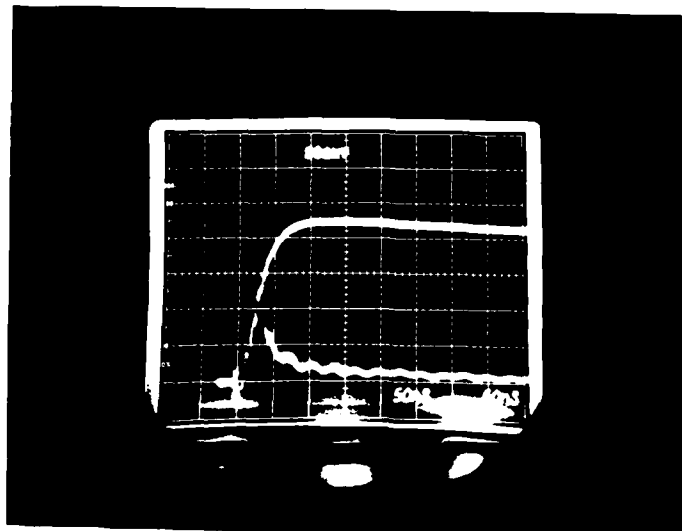
Date	6-7-85
Test Point	59R-CH-1/10-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



1046

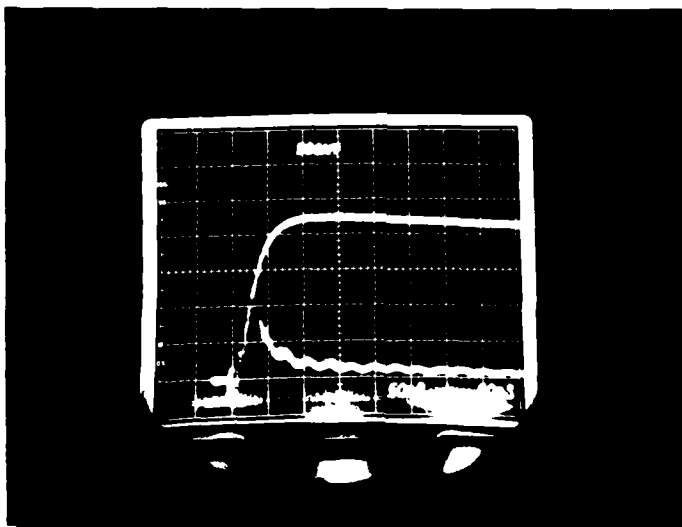
DATA @ .05V (100V)

Date	6-7-85
Test Point	59-CH-1/10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Date Link	
Comments:	



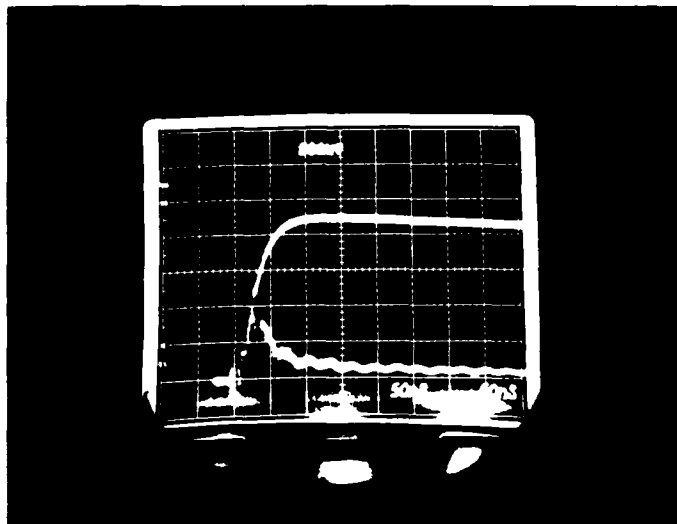
DATA @ .05V (100V)

Date	6-7-85
Test Point	59R-CH-1/10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Date Link	
Comments:	



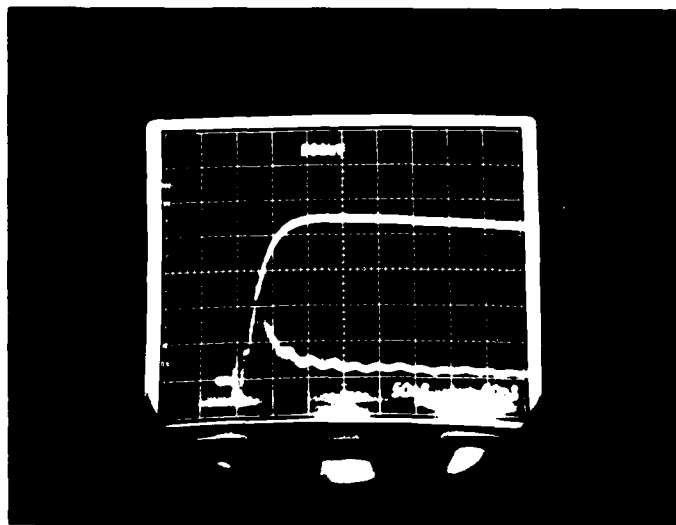
DATA @ .05V (100V)

Date	6-7-85
Test Point	62-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



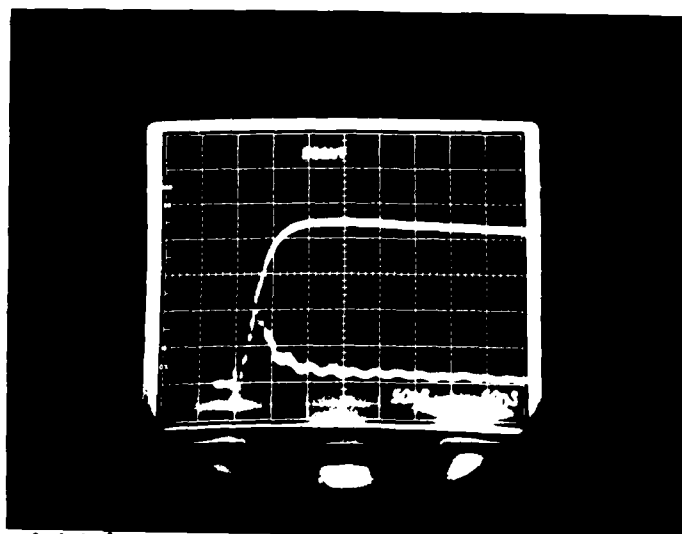
DATA @ .05V(100V)

Date	6-7-85
Test Point	62R-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



DATA @ .05V(100V)

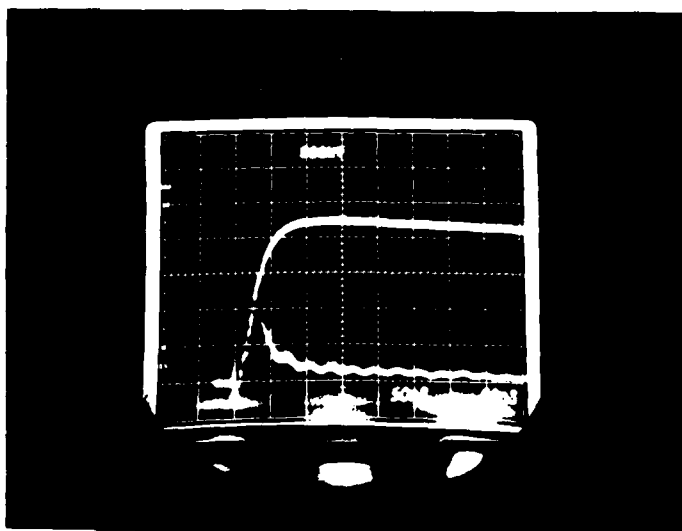
Date ~~6-7-85~~ 6-7-85  
 Test Point 62-CH-1/10-B  
 Amplification dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V(1000V) mV/div 1  
 Horizontal ns/div 2  
 Vertical ns/div 2  
 Configuration  
 Pulsar Level +4500V  
 Data Link  
 Comments:



1051

DATA @ .05V(100V)

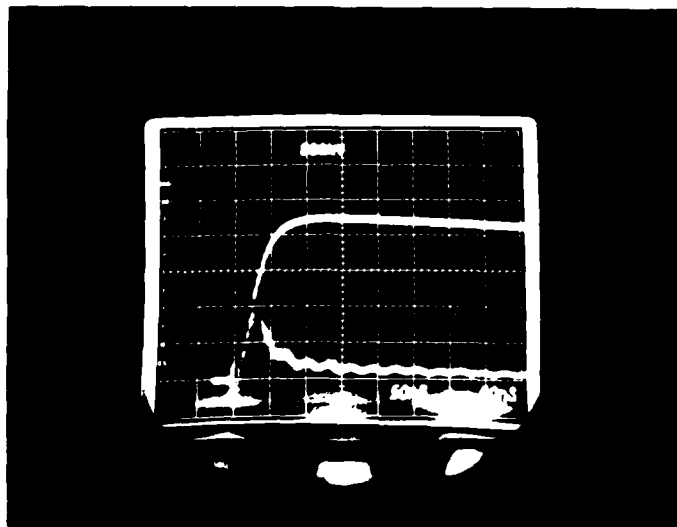
Date 6-7-85  
 Test Point 62R-CH-1/10-B  
 Amplification dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V(1000V) mV/div 1  
 Horizontal ns/div 2  
 Vertical ns/div 2  
 Configuration  
 Pulsar Level -4500V  
 Data Link  
 Comments:



1052

DATA @ .05V(100V)

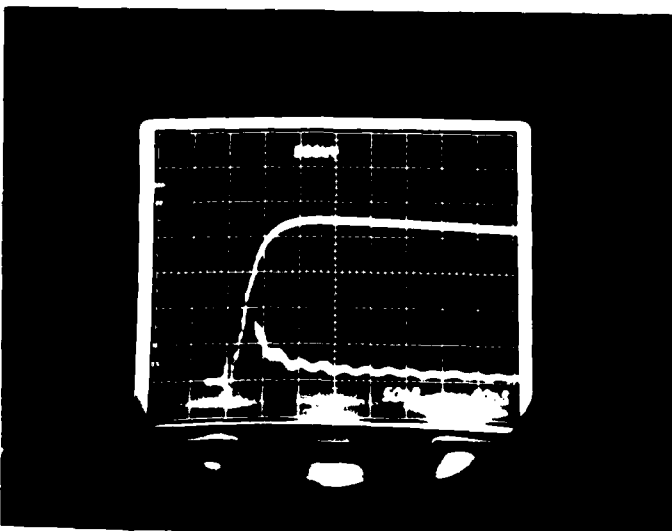
Date	6-7-85
Test Point	62-CH-10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



1053

DATA @ : .05V (100V)

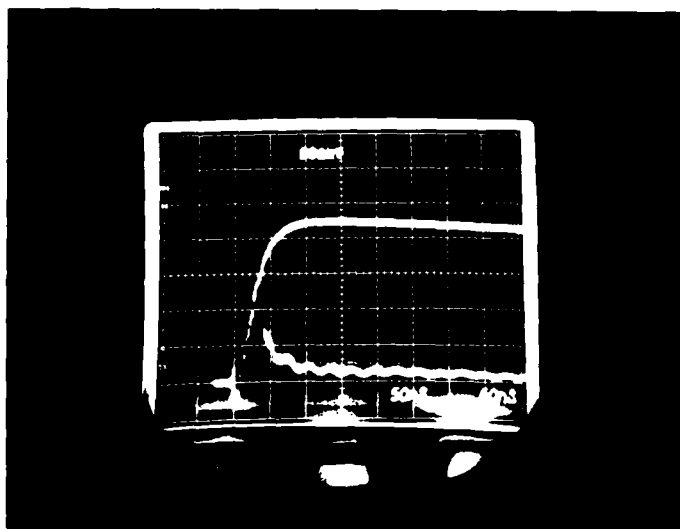
Date	6-7-85
Test Point	62R-CH-10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



1054

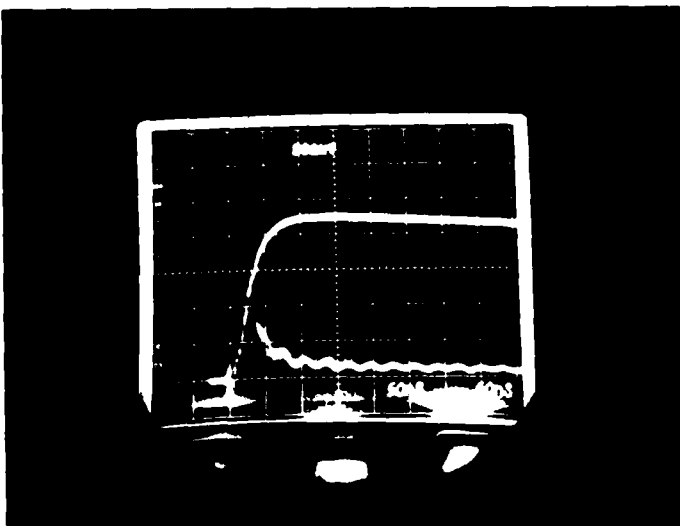
DATA @ : .05V (100V)

Date	6-7-85
Test Point	62-CH-1/10-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	+4500V
Data Link	
Comments:	



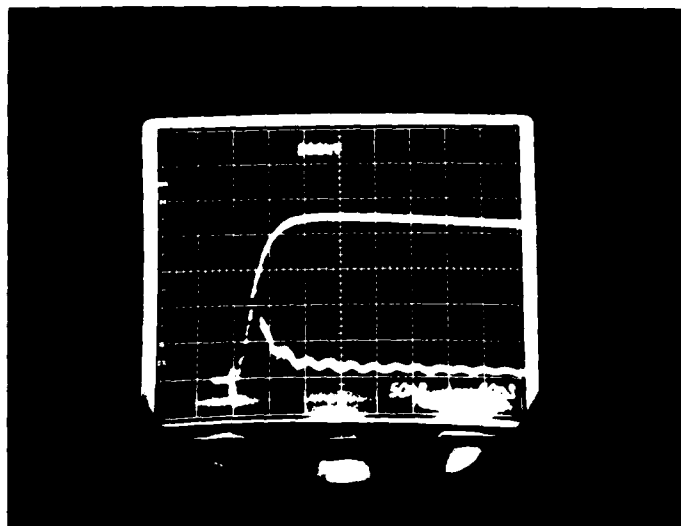
DATA @ .05V (100V)

Date	6-7-85
Test Point	62R-CH-1/10-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	-4500V
Data Link	
Comments:	



DATA @ .05V (100V)

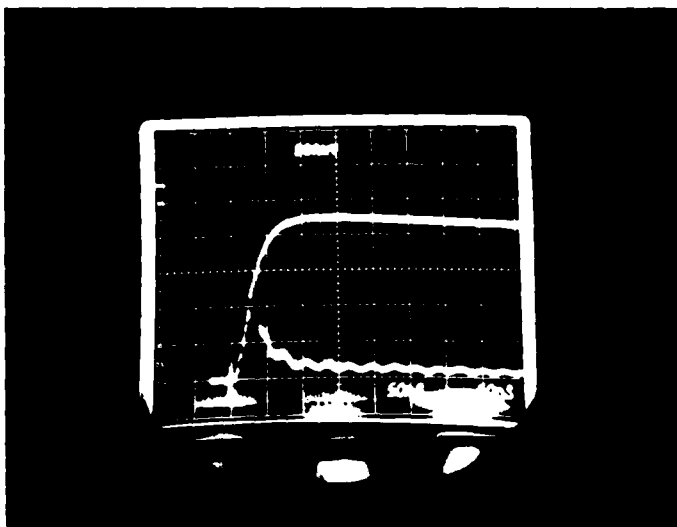
Date	6-7-85
Test Point	62-CH-Y10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



1057

DATA @ .05V(100V)

Date	6-7-85
Test Point	62R-CH-Y10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	

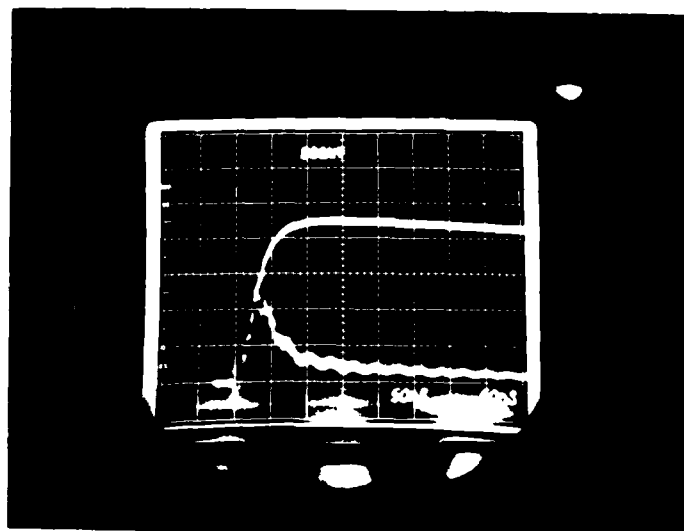


1058

DATA @ .05V(100V)

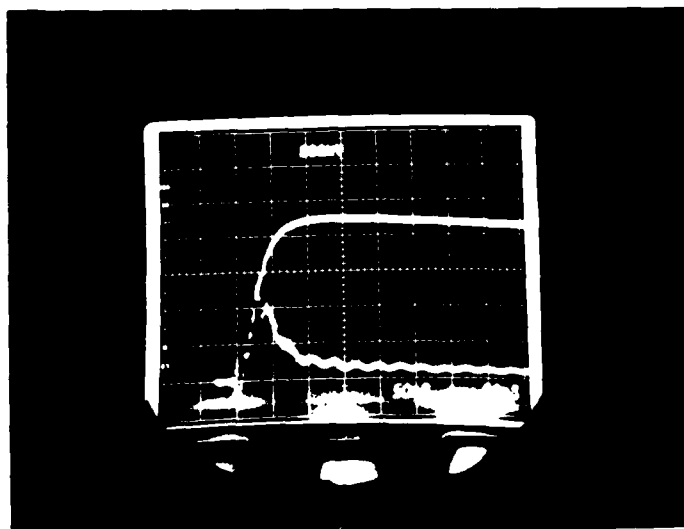


Date	6-7-85
Test Point	65-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



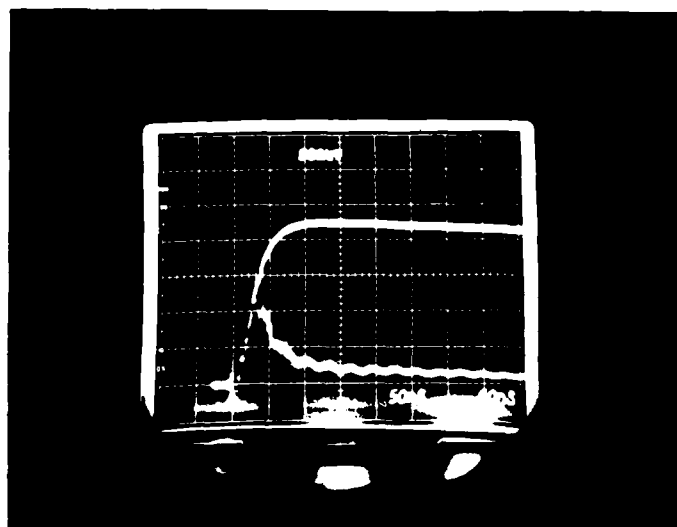
DATA @ .05V (100V)

Date	6-7-85
Test Point	65R-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



DATA @ -.05V (100V) -

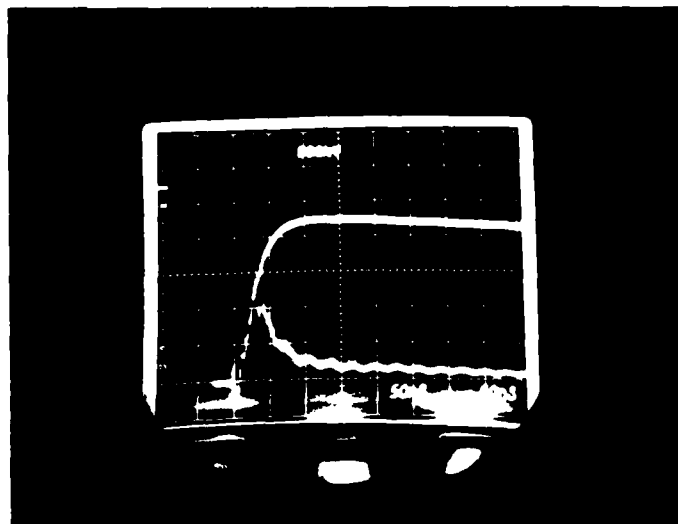
Date	6-7-85
Test Point	65-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



1061

DATA @ .05V(100V)

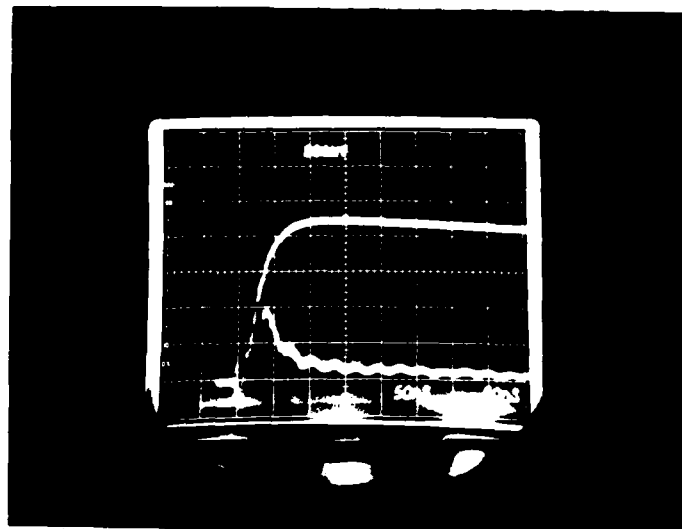
Date	6-7-85
Test Point	65R-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



1062

DATA @ .05V(100V)

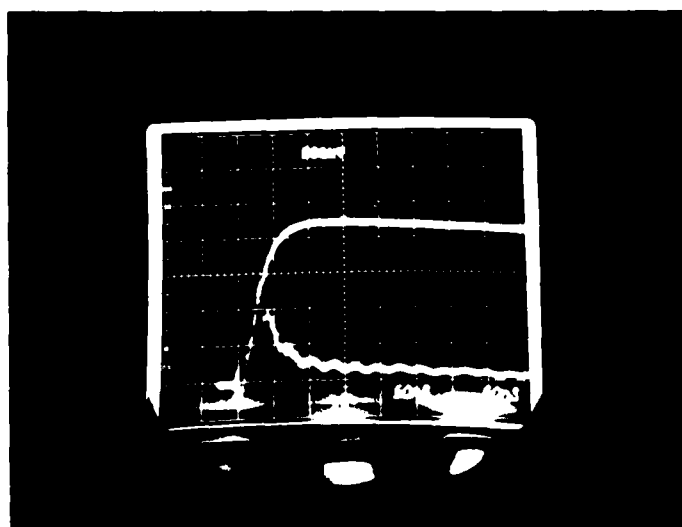
Date	6-7-85
Test Point	65-CH-1/10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



1063

DATA @ .05V (100V)

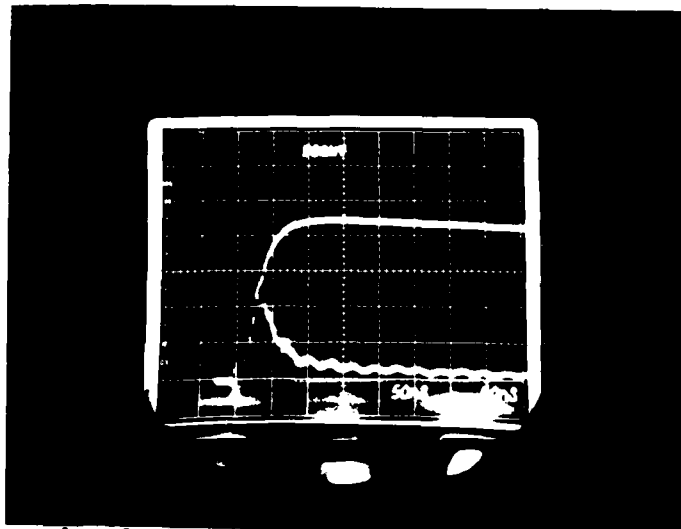
Date	6-7-85
Test Point	65R-CH-1/10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



1064

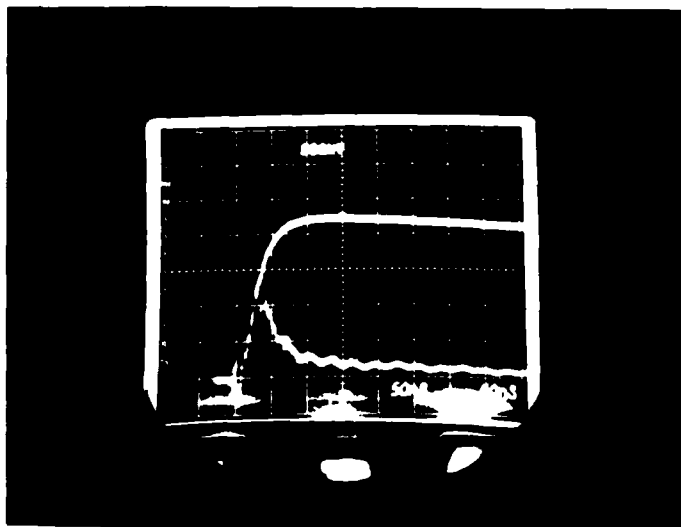
DATA @ .05V (100V)

Date	6-7-85
Test Point	65-CH-1/10-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



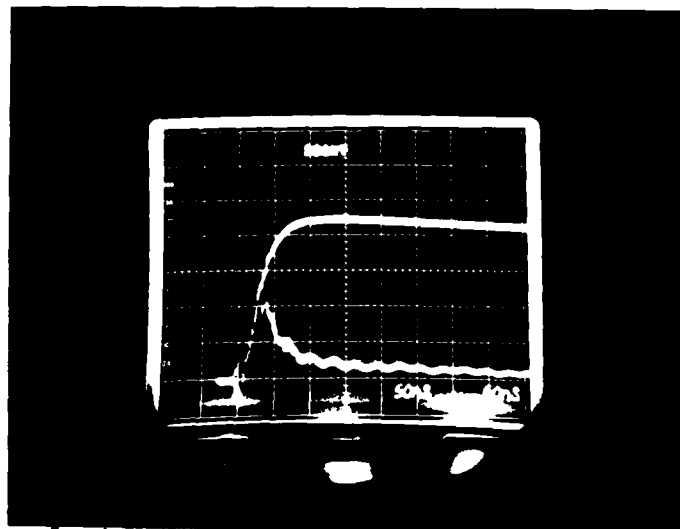
DATA @ .05V(100V)

Date	6-7-85
Test Point	65R-CH-1/10-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



DATA @ .05V(100V)

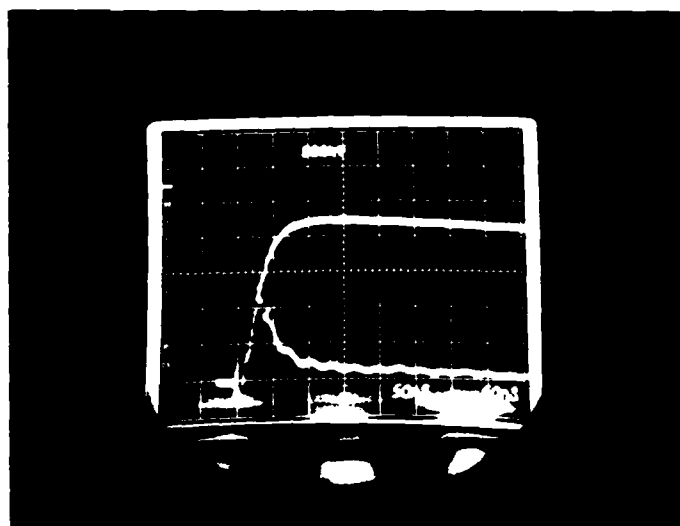
Date	6-7-85
Test Point	65-CH-1/10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



1067

DATA @ .05V (100V)

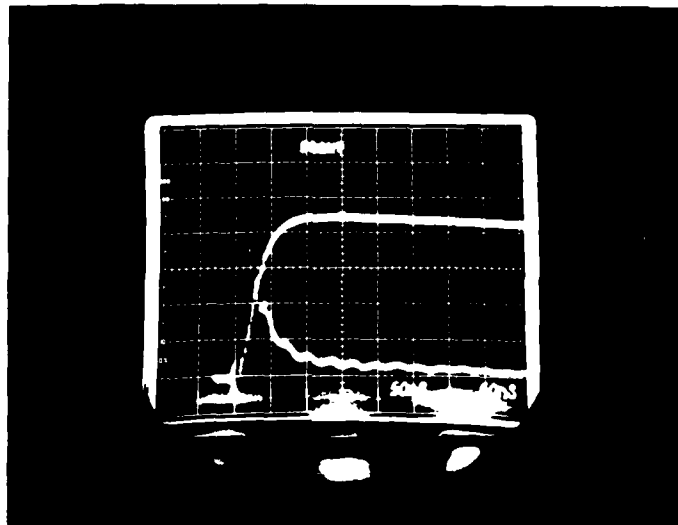
Date	6-7-85
Test Point	65R-CH-1/10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



1068

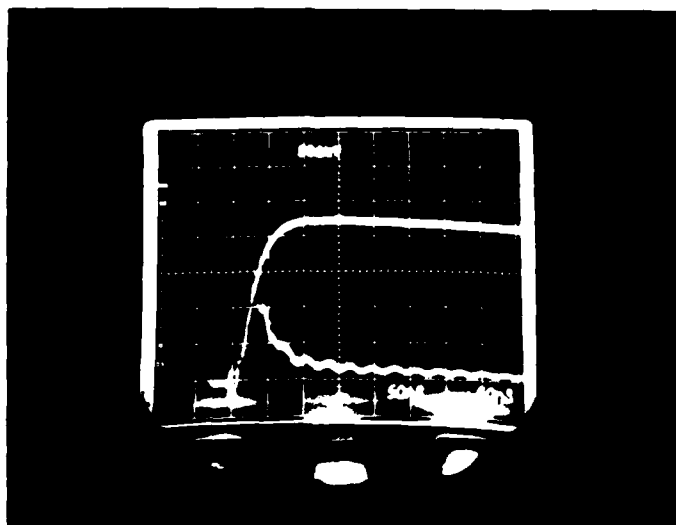
DATA @ .05V (100V)

Date	6-7-85
Test Point	67-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500
Data Link	
Comments:	



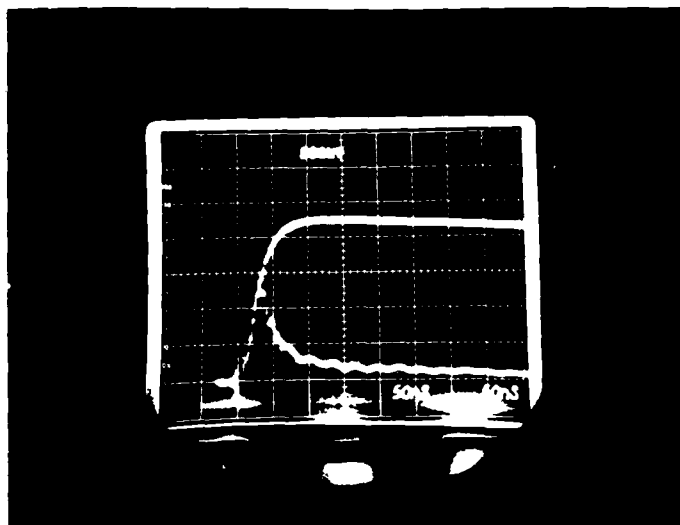
DATA @ .05V (100V)

Date	6-7-85
Test Point	67R-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



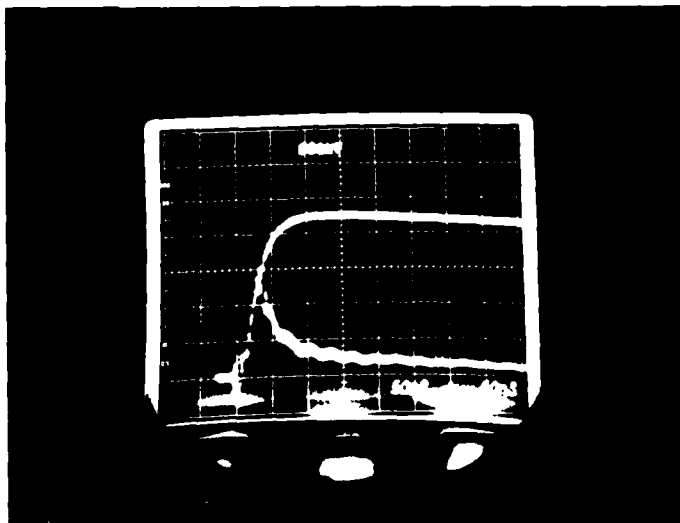
DATA @ .05V (100V) -

Date	6-7-85
Test Point	67-CH-4/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	1071



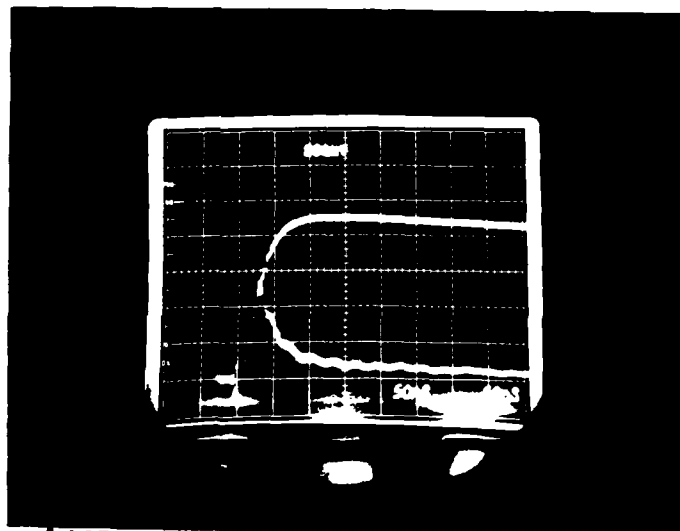
DATA @ 105V (100V)

Date	6-7-85
Test Point	67R-CH-4/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	1072



DATA @ .05V (100V)

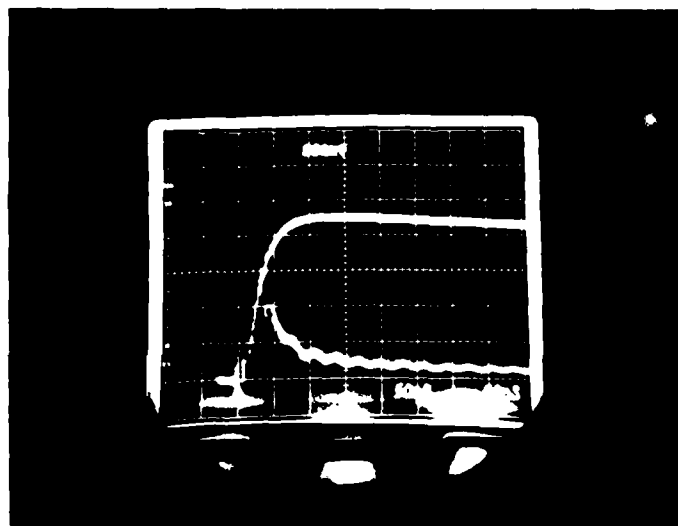
Date	6-7-85
Test Point	67-CH-Y10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	+4500V
Data Link	
Comments:	



1073

DATA @ .05-(100V)

Date	6-7-85
Test Point	67R-CH-Y10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	-4500V
Data Link	
Comments:	

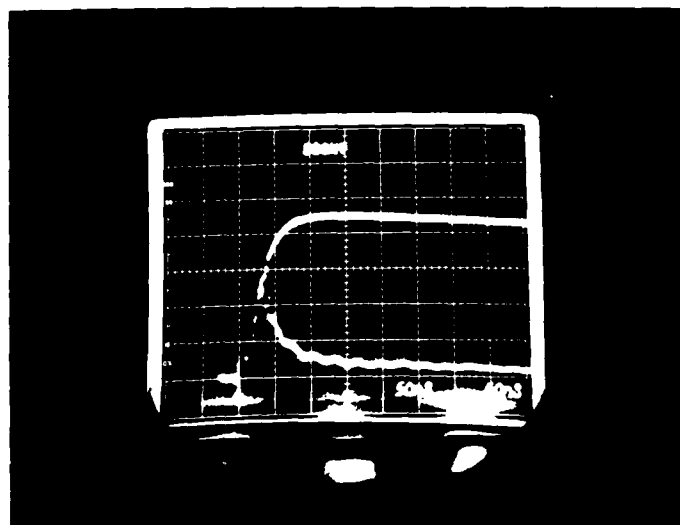


1074

DATA @ .05V (100V)-



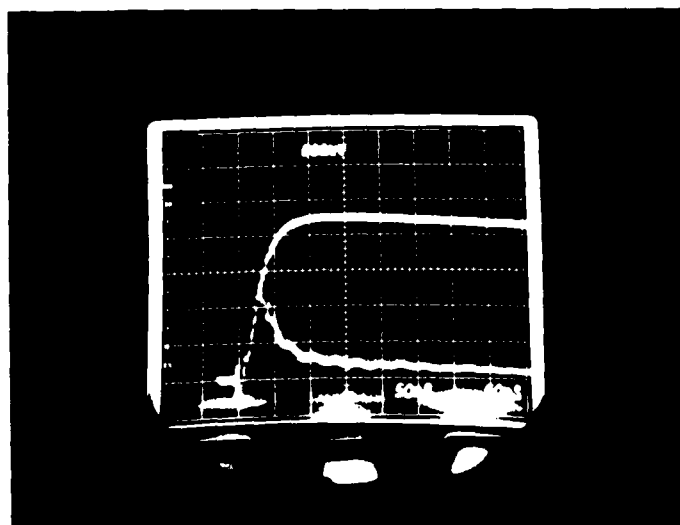
Date	6-7-85
Test Point	67-CH-1/10-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) -mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



1075

DATA @ .05V (100V)

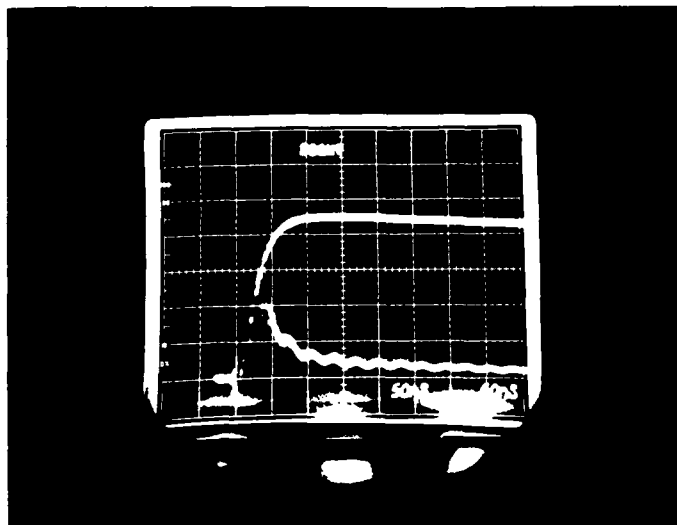
Date	6-7-85
Test Point	67R-CH-1/10-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



1076

DATA @ .05V (100V)

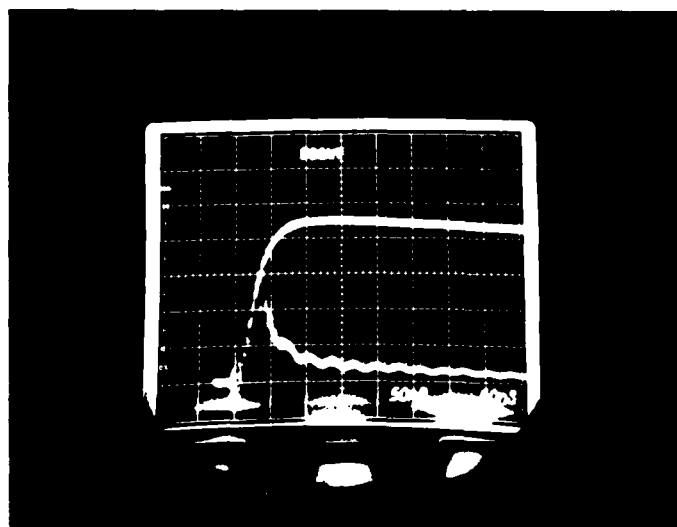
Date	6-7-85
Test Point	67-CH- $\frac{1}{10}$ -E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



1077

DATA @ .05V (100V)

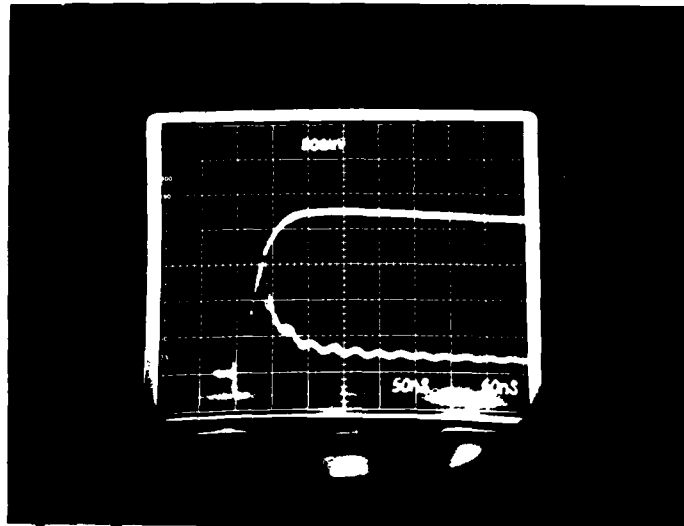
Date	6-7-85
Test Point	67R-CH- $\frac{1}{10}$ -E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



1078

DATA @ .05V (100V)

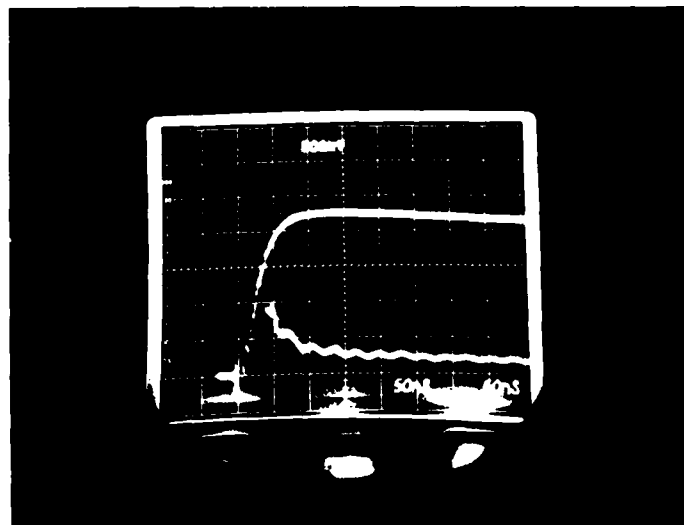
Date	6-7-85
Test Point	71-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



1079

DATA @ .05V (100V)

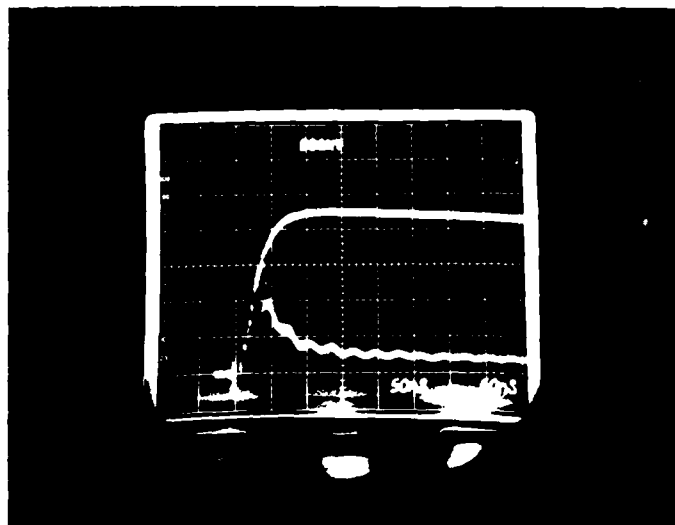
Date	6-7-85
Test Point	71R-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



1080

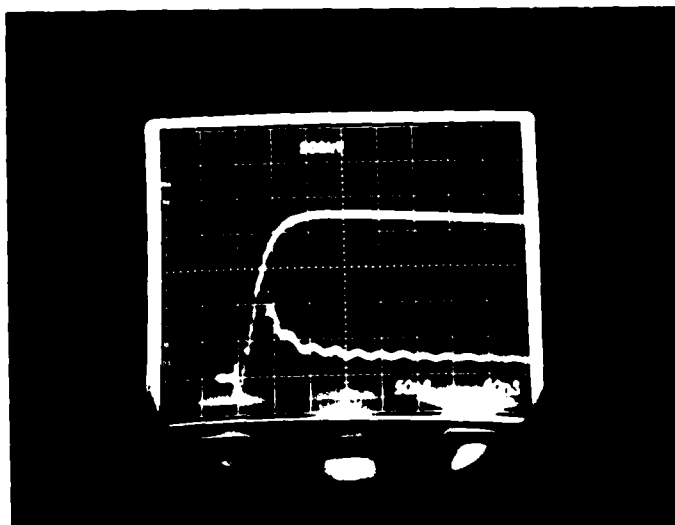
DATA @ .05V (100V)

Date	6-7-85
Test Point	71-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



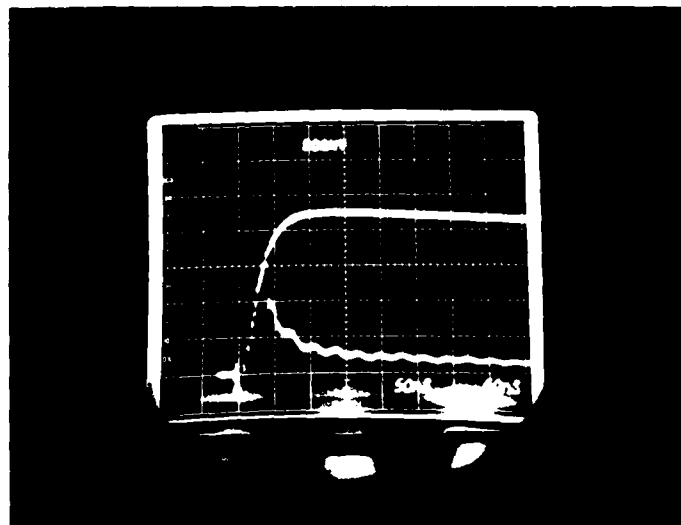
DATA @ 105V (100V)

Date	6-7-85
Test Point	71R-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	→ -4500V
Data Link	
Comments:	



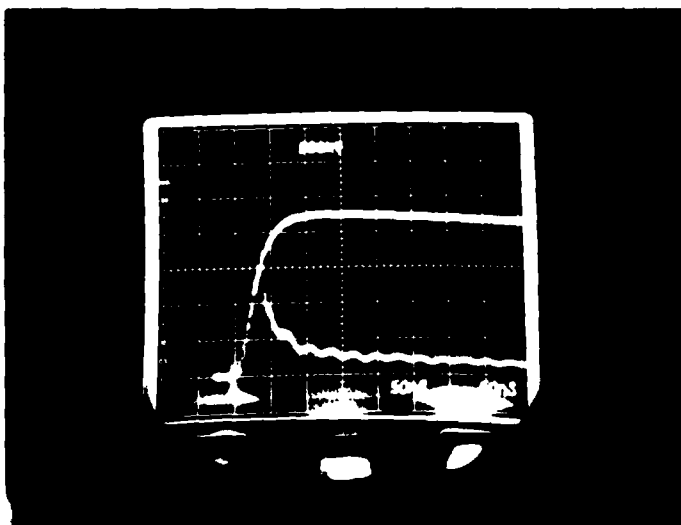
DATA @ .05V (100V)

Date	6-7-85
Test Point	71-CH-4/10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



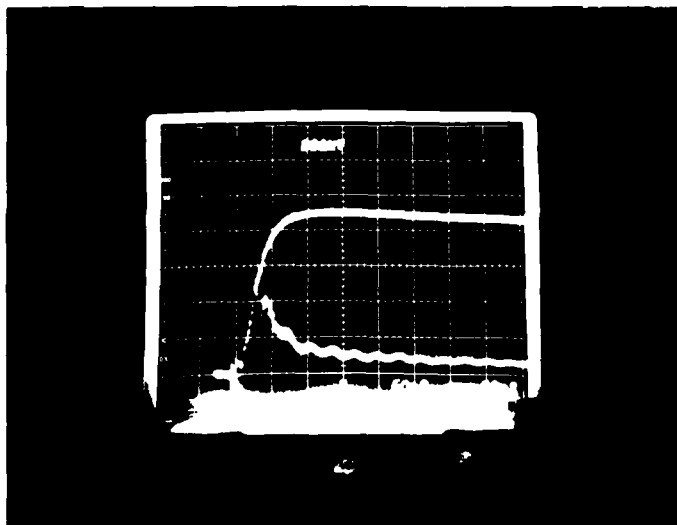
DATA @ .05V (100V)

Date	6-7-85
Test Point	71R-CH-4/10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	- 4500V
Data Link	
Comments:	



DATA @ .05V (100V)-

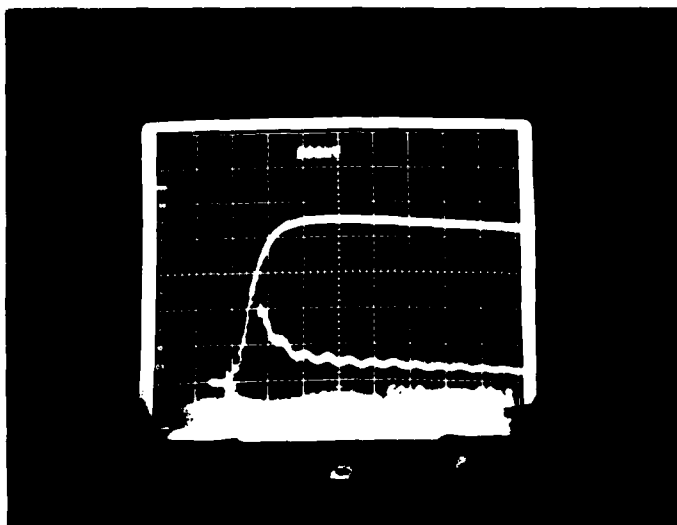
Date	6-7-85
Test Point	71-CH-1/10-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



1085

DATA @ .05V (100V)

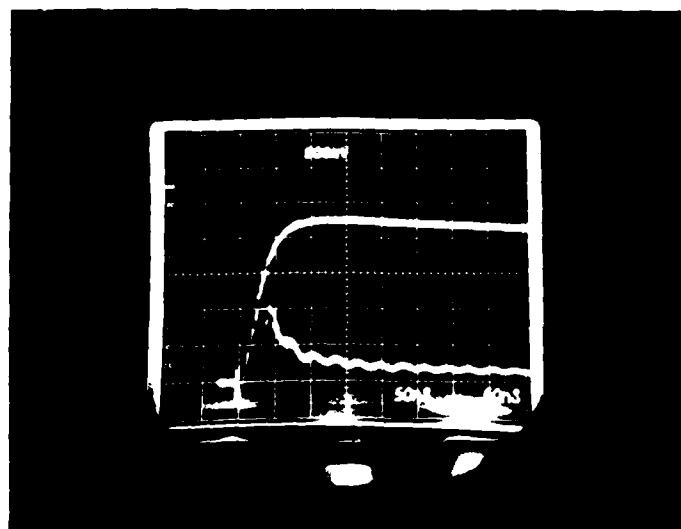
Date	6-7-85
Test Point	71R-CH-1/10-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



1086

DATA @ .05V (100V)

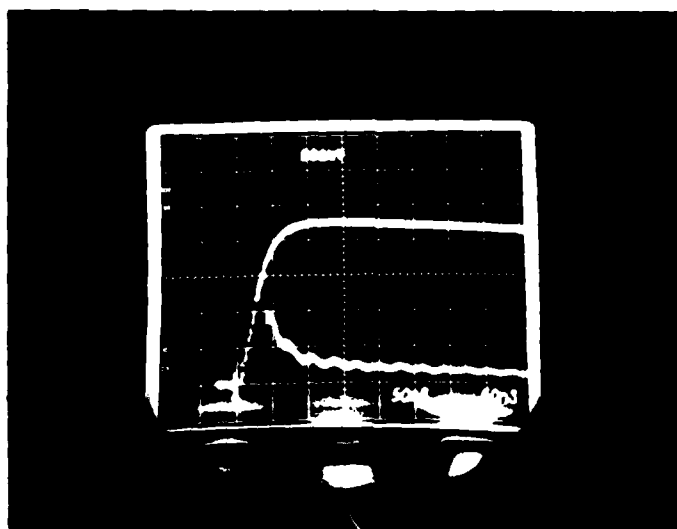
Date 6-7-85  
 Test Point 71-CH-1/10-E  
 Amplification dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V (1000V) mV/div 1  
 Horizontal ns/div 2  
 Vertical ns/div 2  
 Configuration  
 Pulsar Level + 4500V  
 Data Link  
 Comments:



1087

DATA @ .05V (100V)

Date 6-7-85  
 Test Point 71R-CH-1/10-E  
 Amplification dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V (1000V) mV/div 1  
 Horizontal ns/div 2  
 Vertical ns/div 2  
 Configuration  
 Pulsar Level - 4500V  
 Data Link  
 Comments:



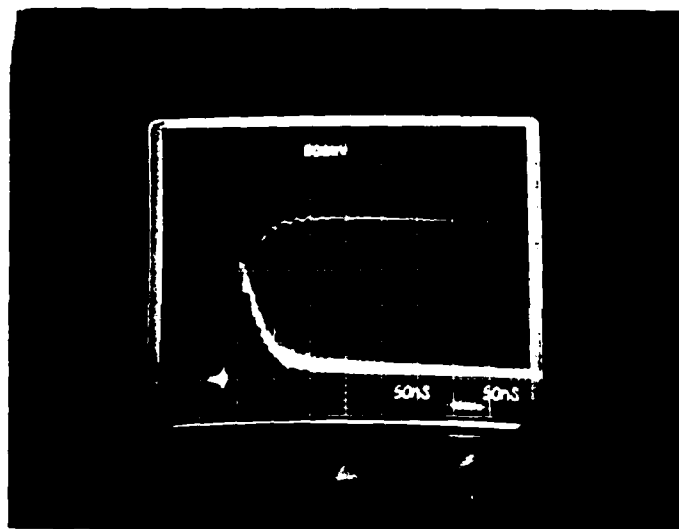
1088

DATA @ .05V (100V)

Date	6-10-85
Test Point	74-CH-1/10-φ
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	+4500V
Data Link	

Comments:

DATA @ .1V (200V)

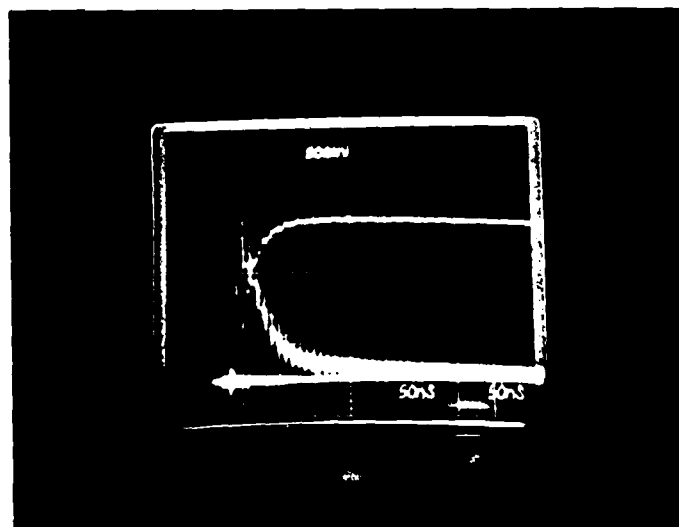


1179

Date	6-10-85
Test Point	74R-CH-1/10-φ
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	-4500V
Data Link	

Comments:

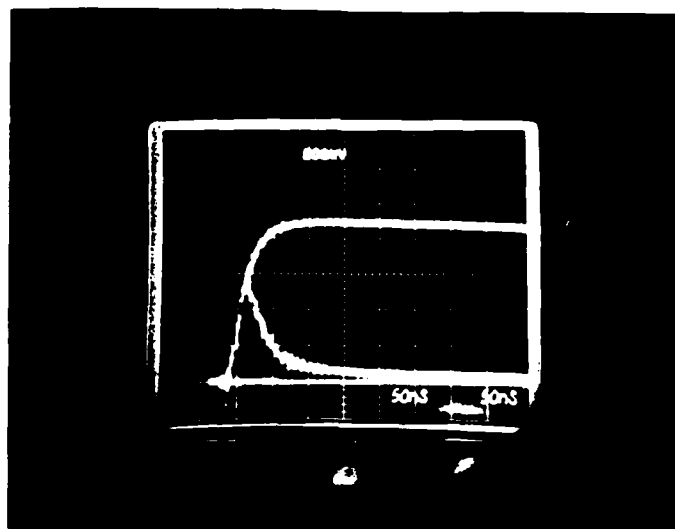
DATA @ .1V (200V)



1180

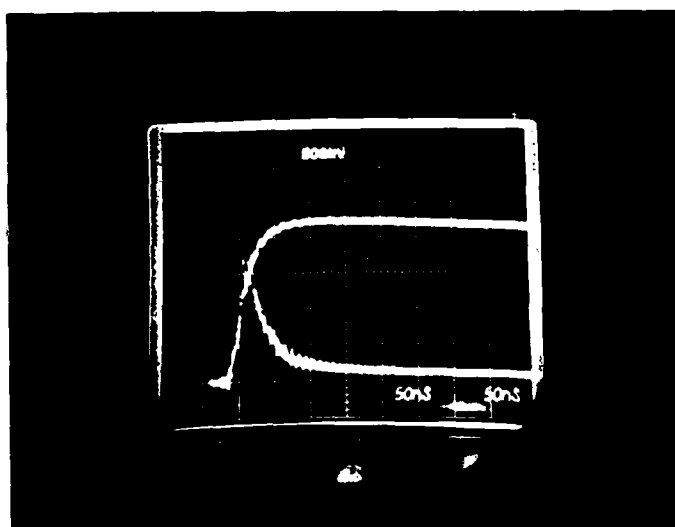


Date	6-10-85
Test Point	75-CH-1/10-Ø
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



DATA @ .1V (200V)

Date	6-10-85
Test Point	75R-CH-1/10-Ø
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



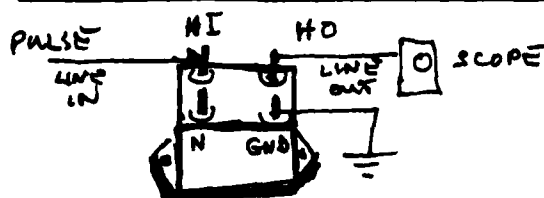
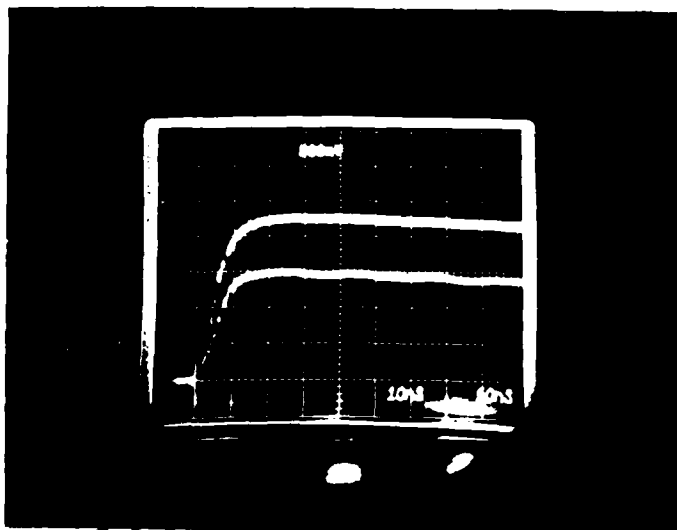
DATA @ .1V (200V)

Date 6-11-85  
 Test Point 76-CH-1/10-φ  
 Amplification dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical 1SV(1000V) mV/div 1  
 Horizontal ns/div 2  
 Vertical ns/div 2  
 Configuration  
 Pulsar Level +4500V  
 Data Link

Comments: 12-6

"HOT"

DATA @ .1

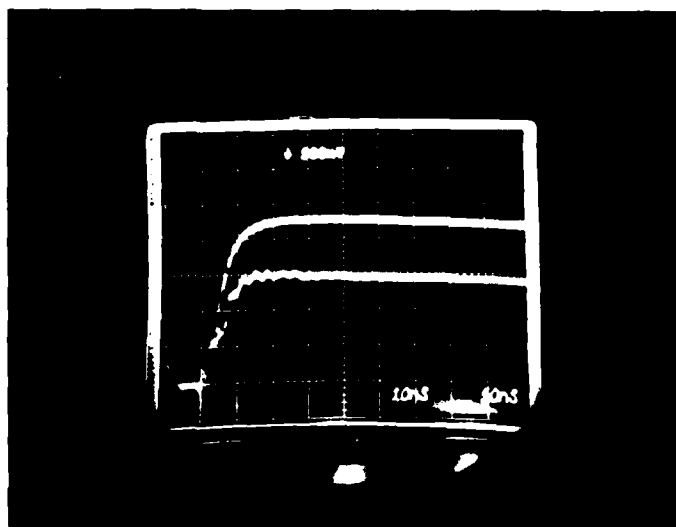


Date 6-11-85  
 Test Point 76R-CH-1/10-φ  
 Amplification dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical 1SV(1000V) mV/div 1  
 Horizontal ns/div 2  
 Vertical ns/div 2  
 Configuration  
 Pulsar Level -4500V  
 Data Link

Comments: 12-6

"HOT"

DATA @ .1V (200V)

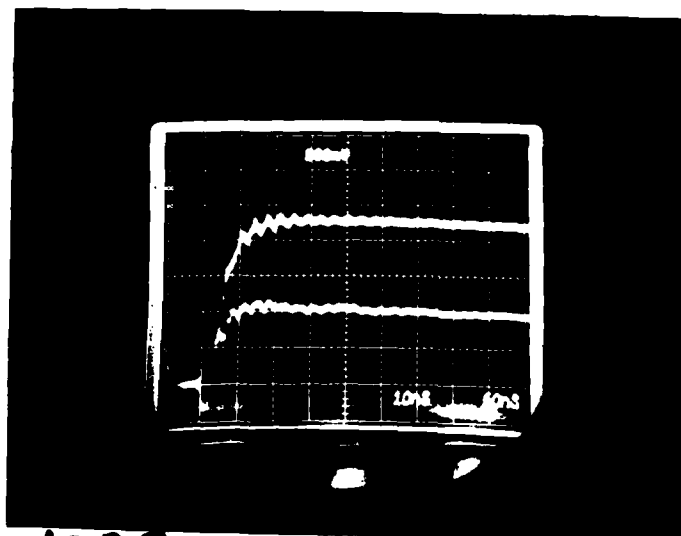


Date	6-11-85
Test Point	76-CH-1/10- $\phi$
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	

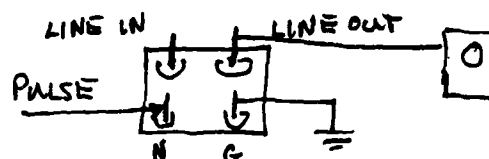
Comments:

"NEUTRAL-1"

DATA @ .LV (200V)



1228

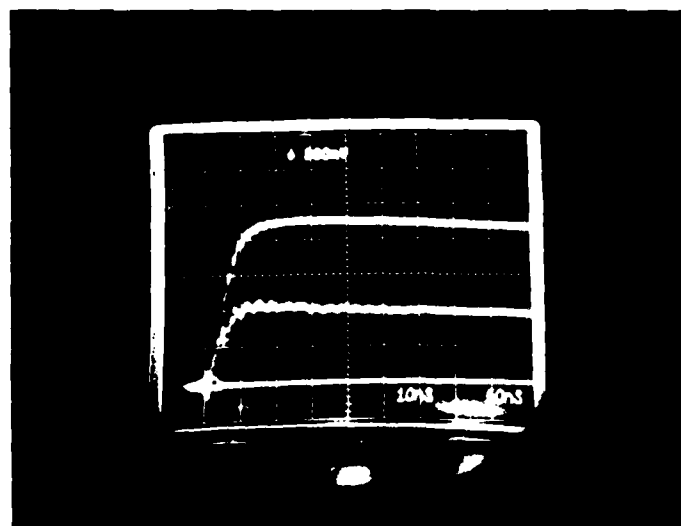


Date	6-11-85
Test Point	76R-CH-1/10- $\phi$
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	

Comments:

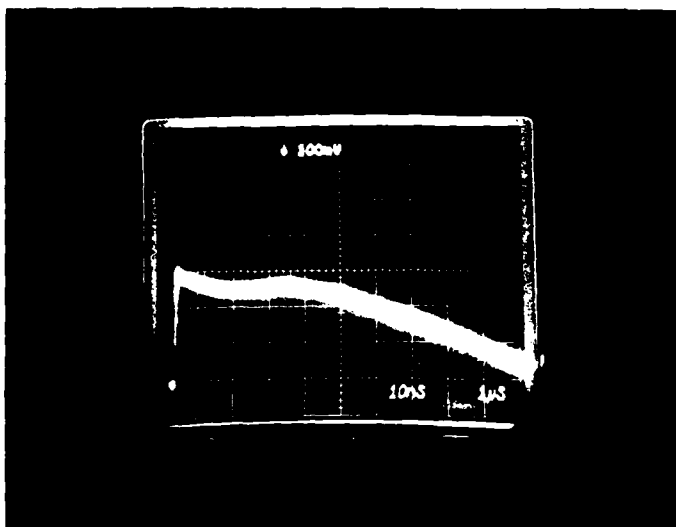
"NEUTRAL"

DATA @ .LV (200V)



1229

Date	6-11-85
Test Point	76-CH-10-φ
Amplification	dB
Attenuation	20 dB
Horizontal	145 ns/div 1
Vertical	.1V (200V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	+4500V
Data Link	
Comments:	

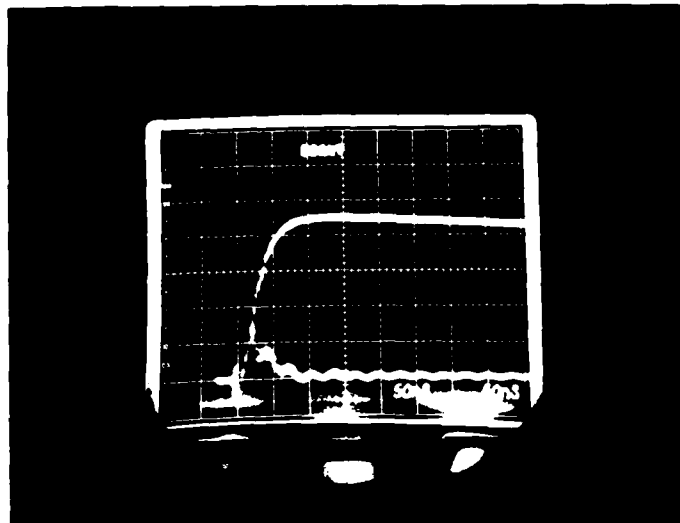


HOT -

1228

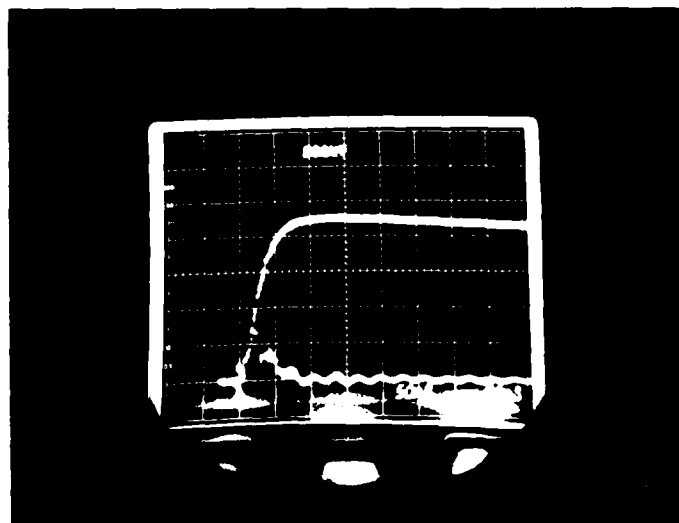
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	
Data Link	
Comments:	

Date	6-7-85
Test Point	78-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	1V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



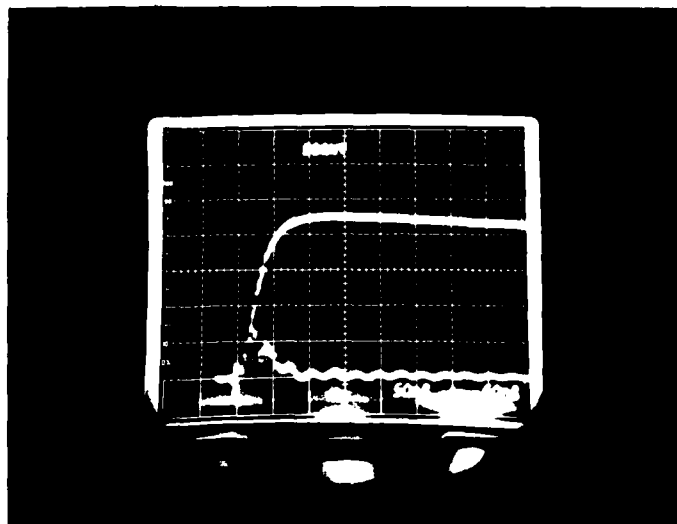
DATA @ 105V (100V)

Date	6-7-85
Test Point	78R-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	1V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



DATA @ 105V (100V)

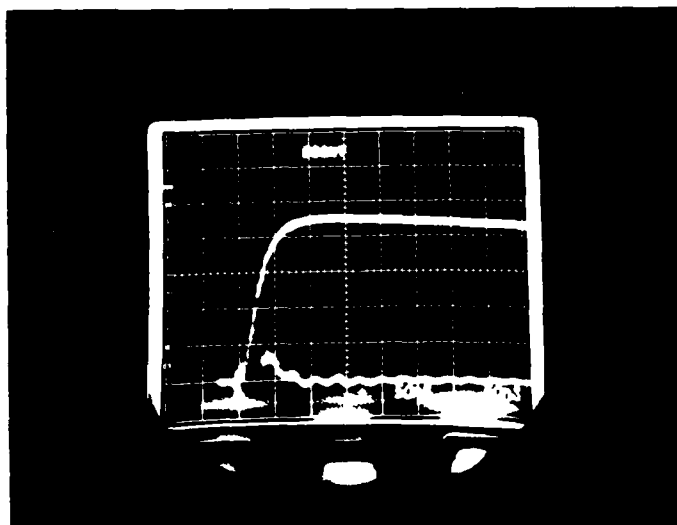
Date	6-7-85
Test Point	78-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	1SV (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	



1091

DATA @ 105V (100V)

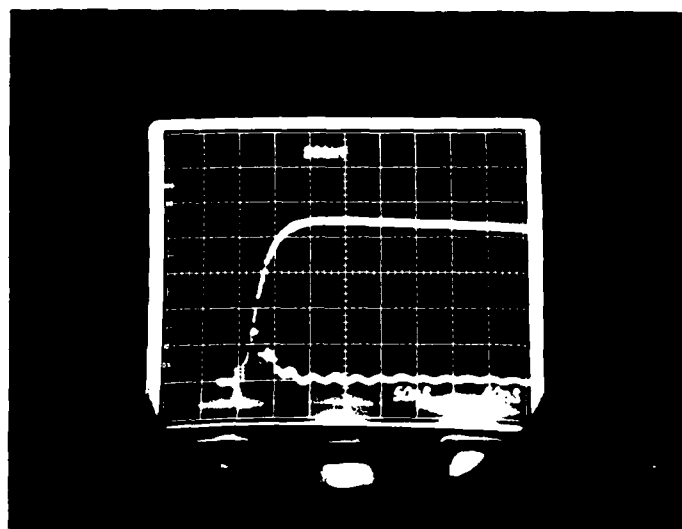
Date	6-7-85
Test Point	78R-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	1SV (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	- 4500V
Data Link	
Comments:	



1092

DATA @ 105V (100V)

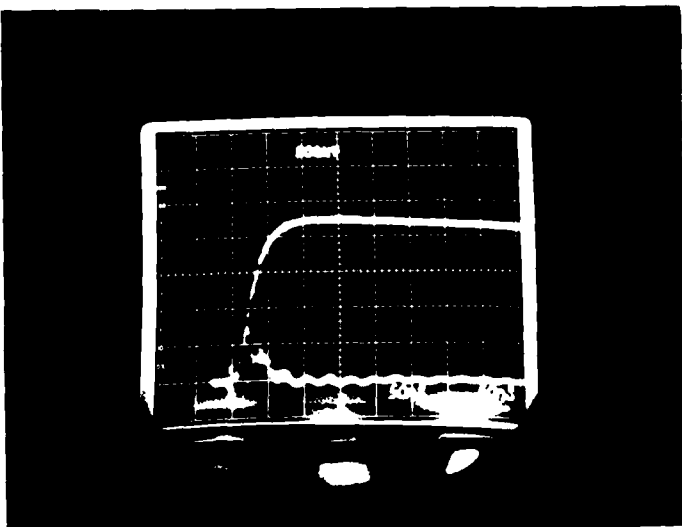
Date	6-7-85
Test Point	78-CH-1/10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



1093

DATA @ .05V (100V)

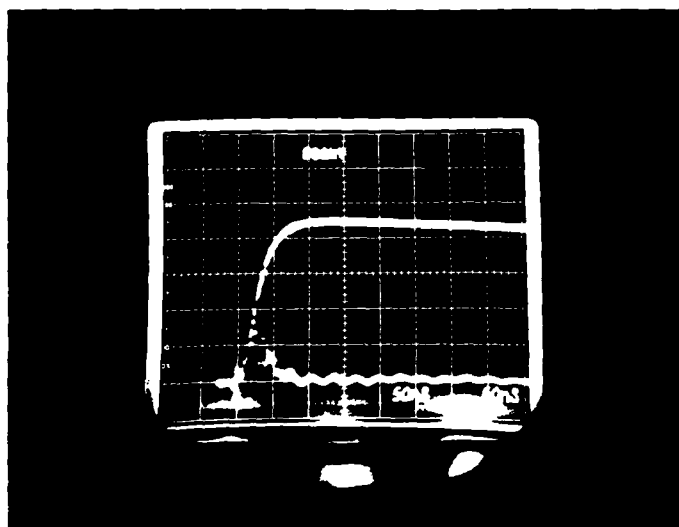
Date	6-7-85
Test Point	78-CH-1/10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



1094

DATA @ .05V (100V)

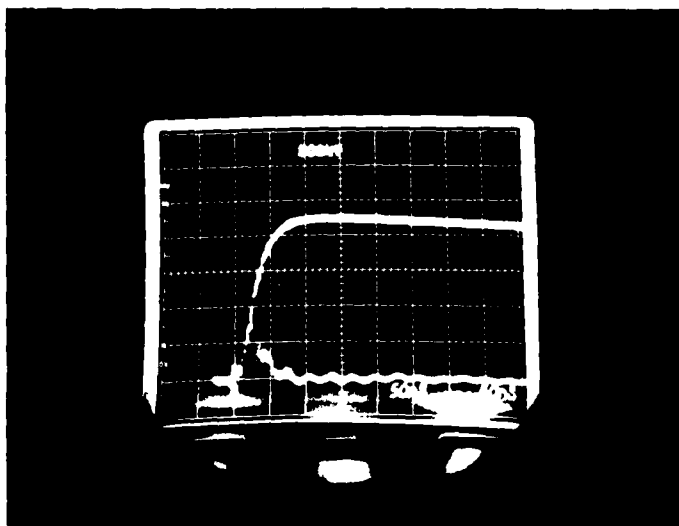
Date	6-7-85
Test Point	78-CH-1/10-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	+4500V
Data Link	
Comments:	



1095

DATA @ .05V (100V)-

Date	6-7-85
Test Point	78R-CH-1/10-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	-4500V
Data Link	
Comments:	

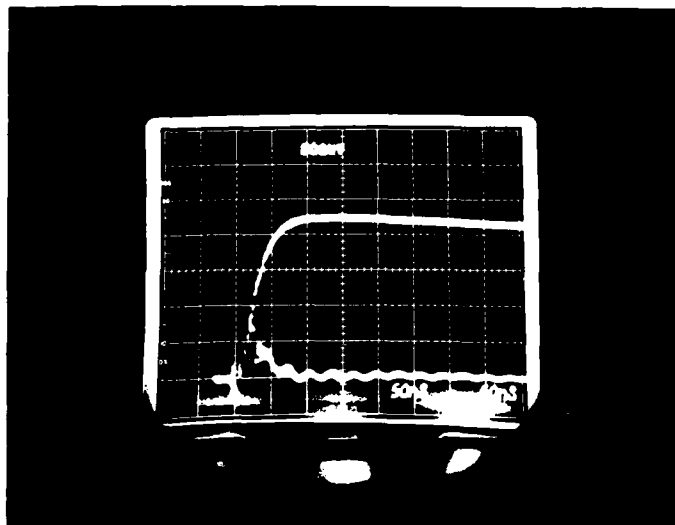


1096

DATA @ .05V (100V)

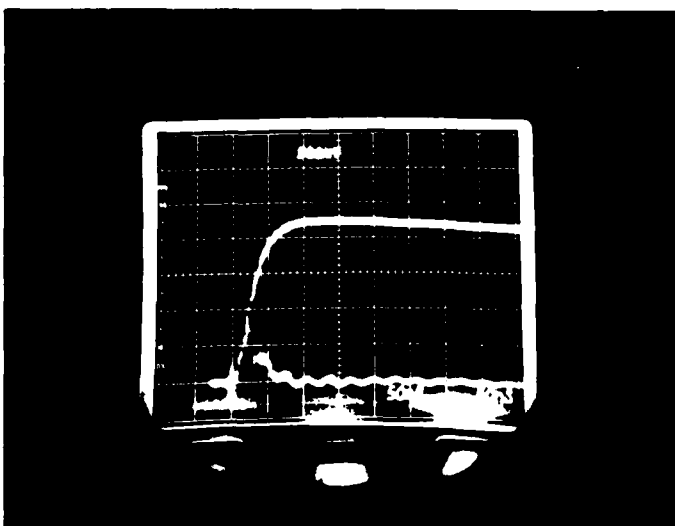


Date	6-7-85
Test Point	78-CH-110-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Date Link	
Comments:	



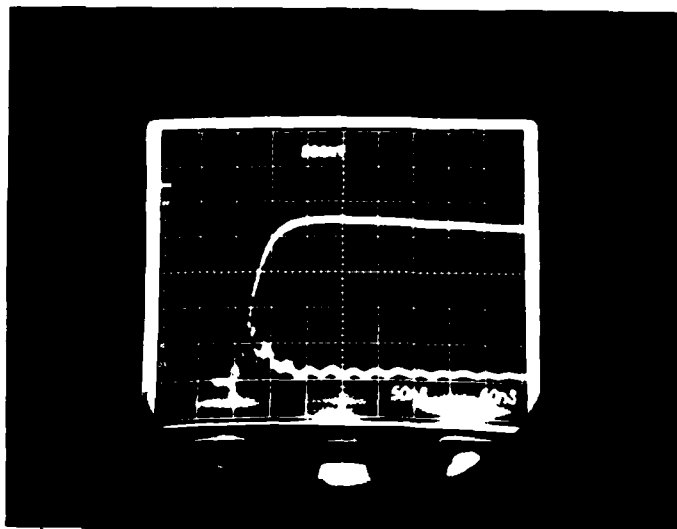
DATA @ .05V (100V)

Date	6-7-85
Test Point	78R-CH-110-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Date Link	
Comments:	



DATA @ .05V (100V) -

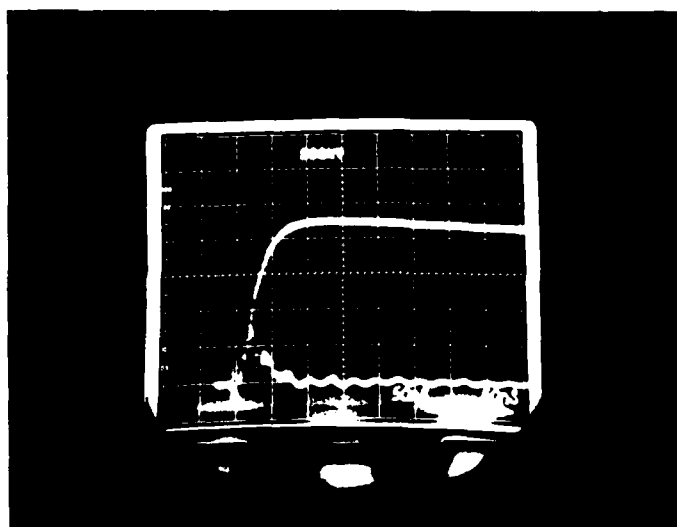
Date	6-7-85
Test Point	81-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	1SV (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	



1099

DATA @ 105V (100V)

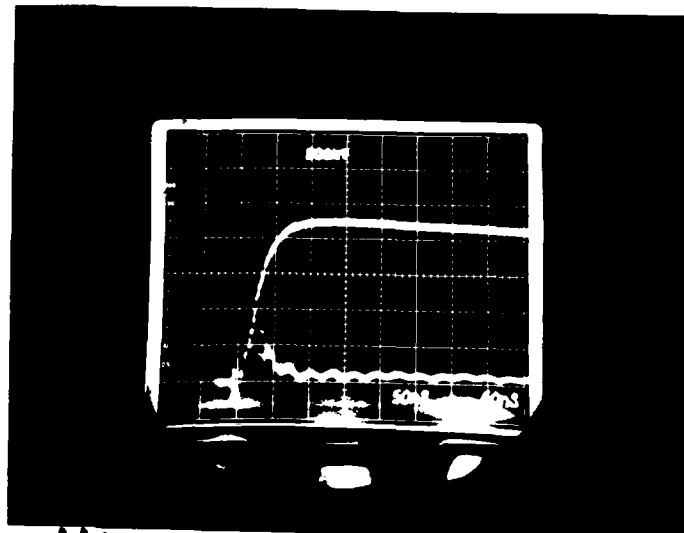
Date	6-7-85
Test Point	81R-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	1SV (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



1100

DATA @ 105V (100V)

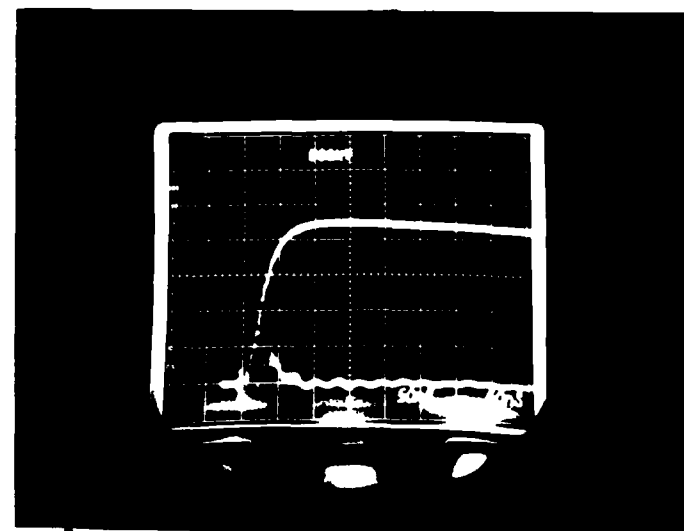
Date	6-7-85
Test Point	81+CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	+4500V
Data Link	
Comments:	



1101

DATA @ .05V (100V)

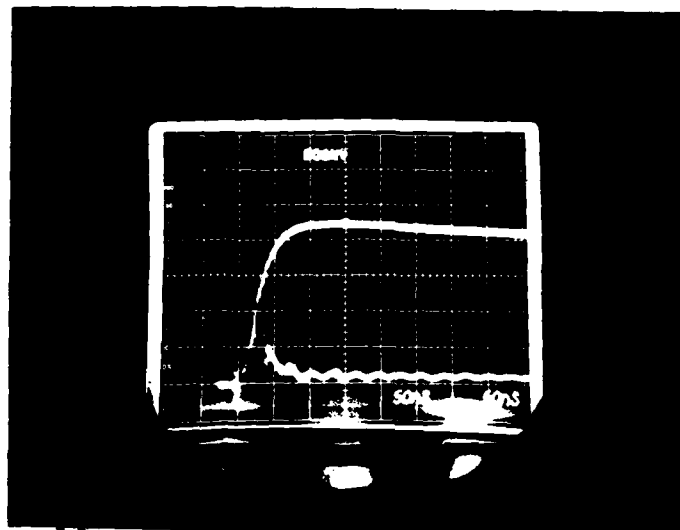
Date	6-7-85
Test Point	81R-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	-4500V
Data Link	
Comments:	



1102

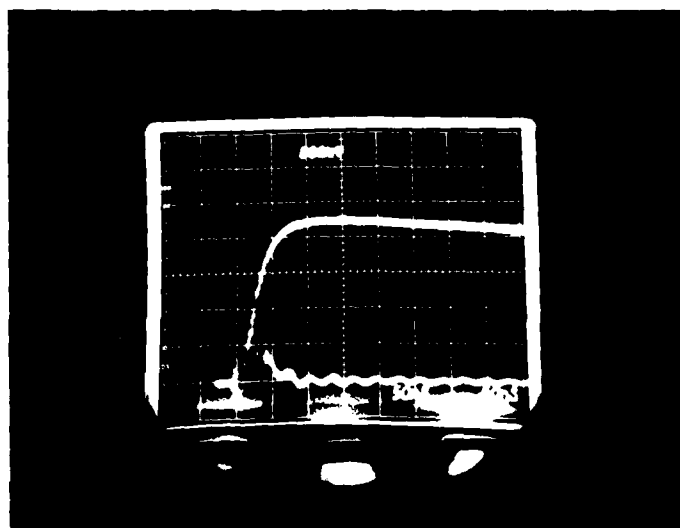
DATA @ .05V (100V)

Date	6-7-85
Test Point	81-CH-1/10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	



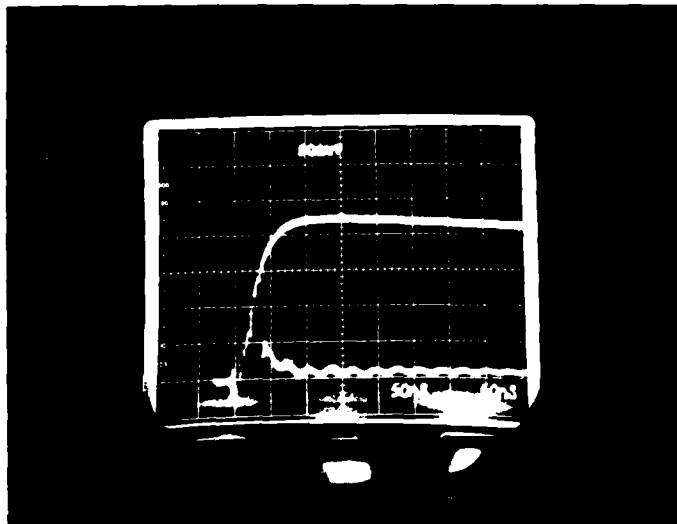
DATA @ .05V (100V)

Date	6-7-85
Test Point	81R-CH-1/10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	- 4500V
Data Link	
Comments:	



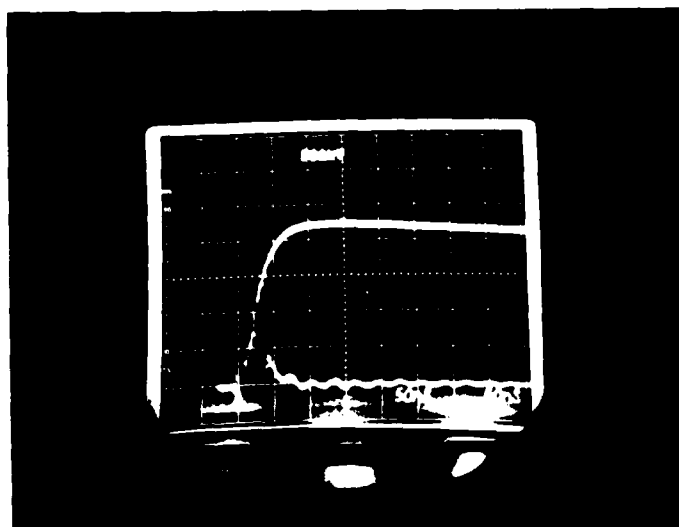
DATA @ .05V (100V)

Date	6-7-85
Test Point	81-CH-1/10-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



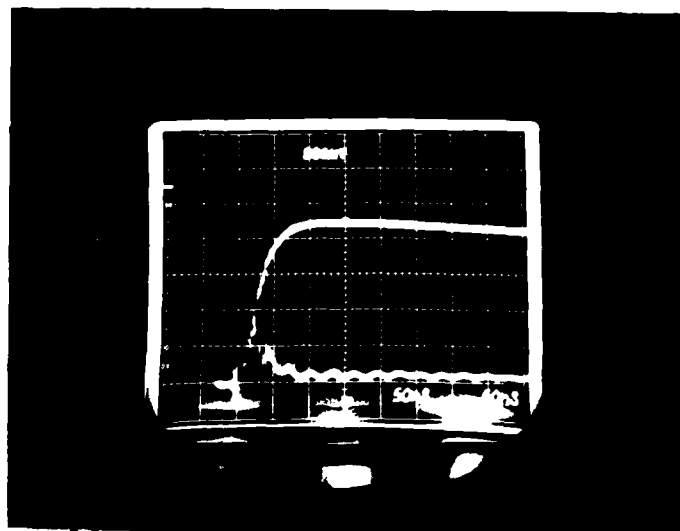
DATA @ .05V (100V)

Date	6-7-85
Test Point	81R-CH-1/10-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



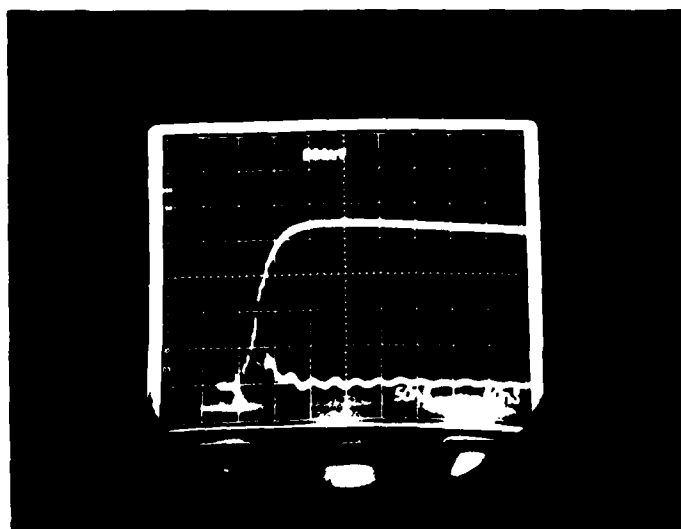
DATA @ .05V (100V)

Date	6-7-85
Test Point	81-CH-1/10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	



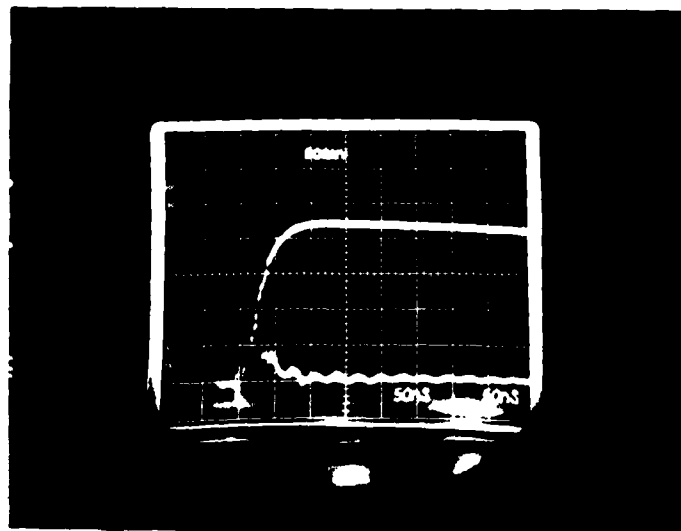
DATA @ 105V (100V)

Date	6-7-85
Test Point	81R-CH-1/10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	- 4500V
Data Link	
Comments:	



DATA @ 105V (100V)

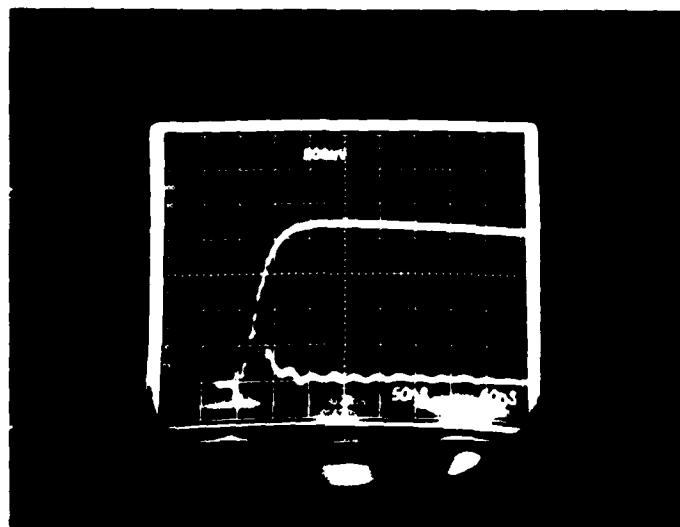
Date 6-10-85  
 Test Point 84-CH-1/10-A  
 Amplification dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V(1000V) mV/div 1  
 Horizontal ns/div 2  
 Vertical ns/div 2  
 Configuration  
 Pulsar Level +4500V  
 Data Link  
 Comments:



1109

DATA @ -.05V (100V)

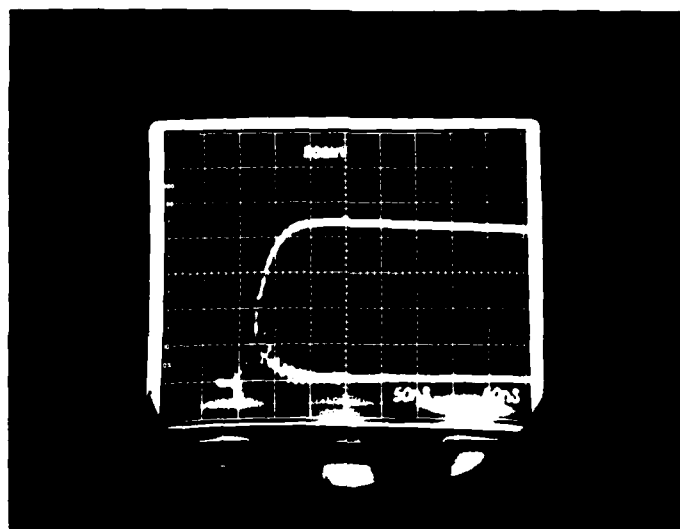
Date 6-10-85  
 Test Point 84R-CH-1/10-A  
 Amplification dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V(1000V) mV/div 1  
 Horizontal ns/div 2  
 Vertical ns/div 2  
 Configuration  
 Pulsar Level -4500V  
 Data Link  
 Comments:



1110

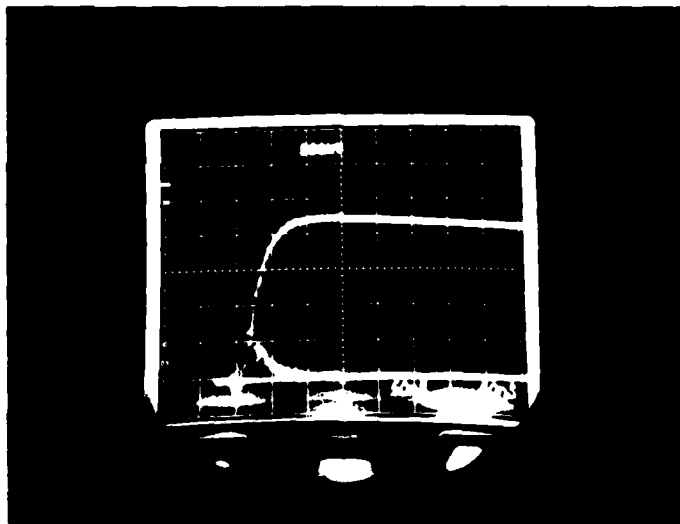
DATA @ .05V (100V)

Date	6-10-85
Test Point	84-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	+4500V
Data Link	



DATA @ .05V (100V)

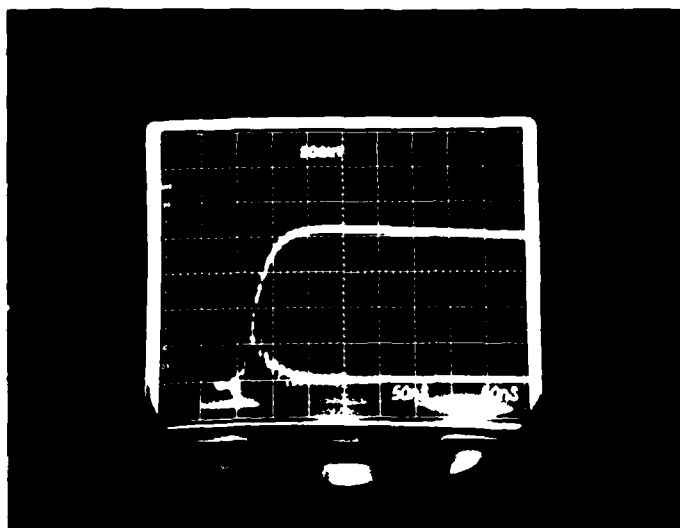
Date	6-10-85
Test Point	84R-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	-4500V
Data Link	



DATA @ .05V (100V)



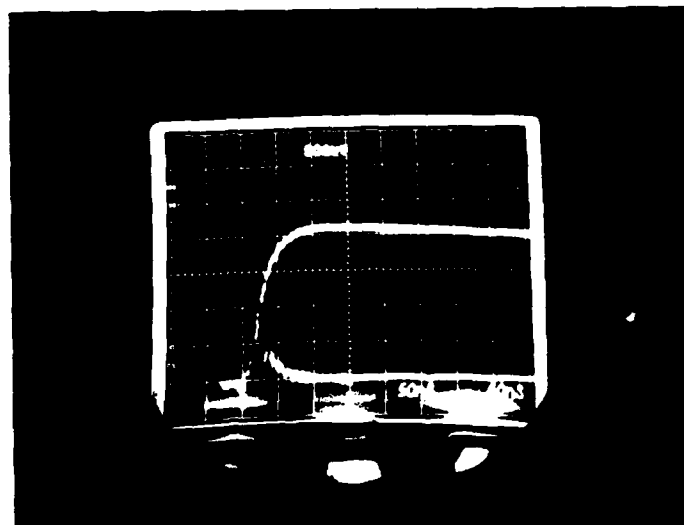
Date	6-10-85
Test Point	84-CH-1/10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	+4500V
Data Link	
Comments:	



1113

DATA @ .05V(100V)

Date	6-10-85
Test Point	84R-CH-1/10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	-4500V
Data Link	
Comments:	



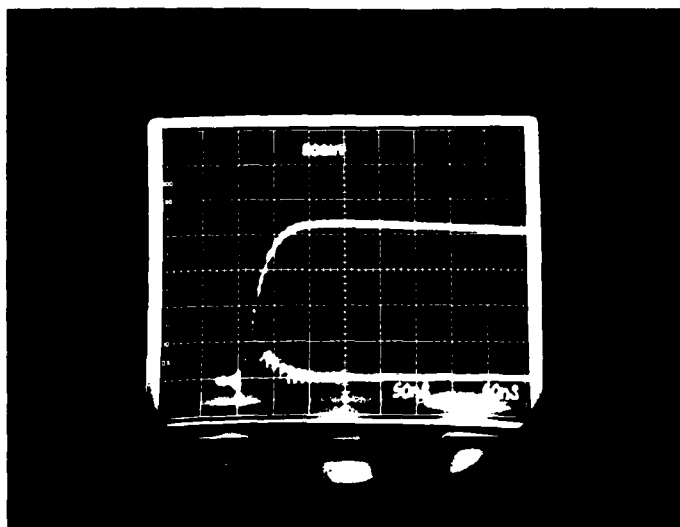
1114

DATA @ .05V(100V)

Date	6-10-85
Test Point	84-CH-1/10-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	+ 4500V
Data Link	

Comments:

1115



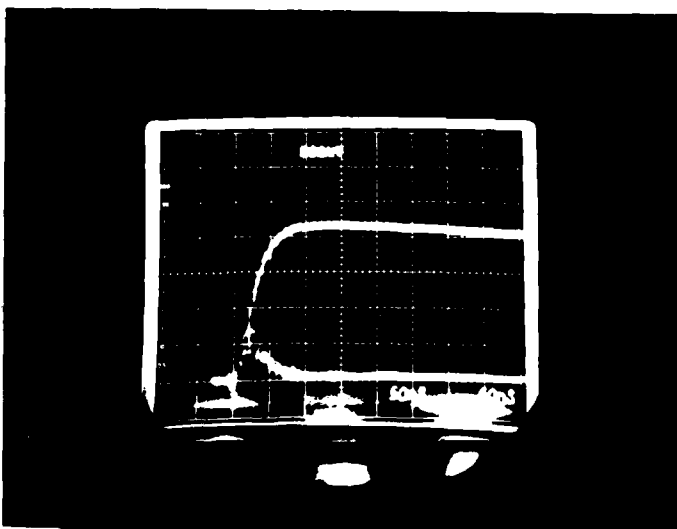
1115

DATA @ .05V(-4500V)

Date	6-10-85
Test Point	84R-CH-1/10-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	
Data Link	

Comments:

1116



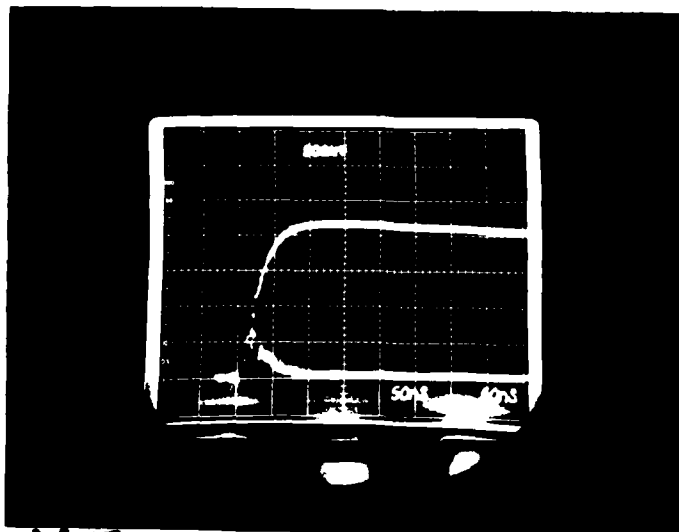
1116

DATA @ .05V(100V)

Date	6-10-85
Test Point	84-CH-1/10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	+4500V
Data Link	
Comments:	

1117

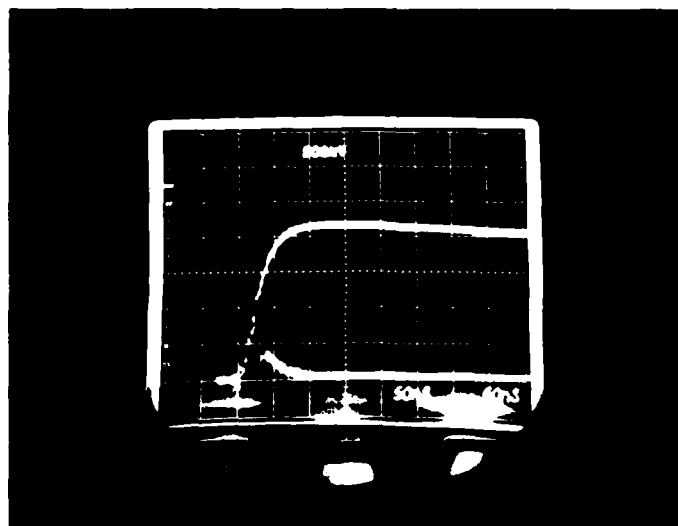
DATA @ .05V (100V)



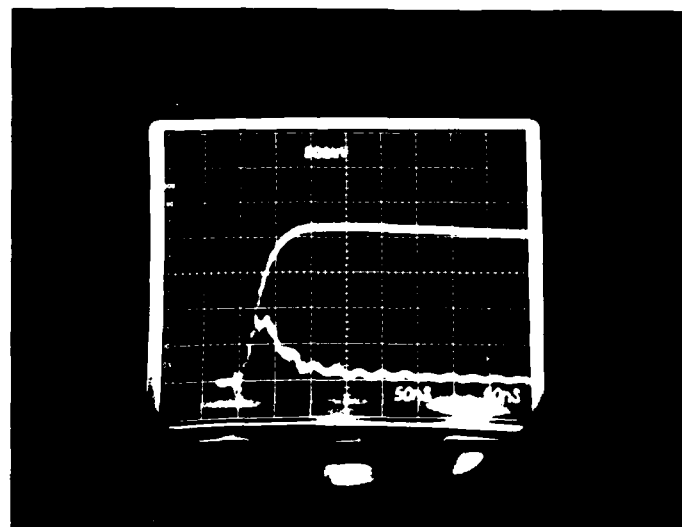
Date	6-10-85
Test Point	84R-CH-1/10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	-4500V
Data Link	
Comments:	

1118

DATA @ .05V (100V)

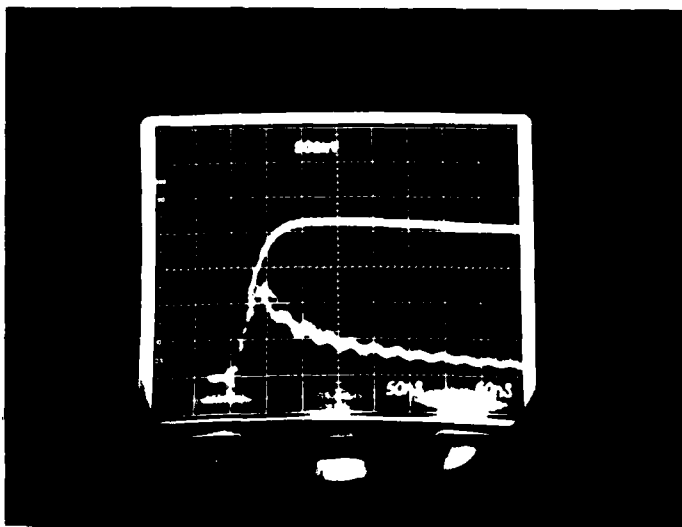


Date	6-10-85
Test Point	87-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



DATA @ .05V (100V)

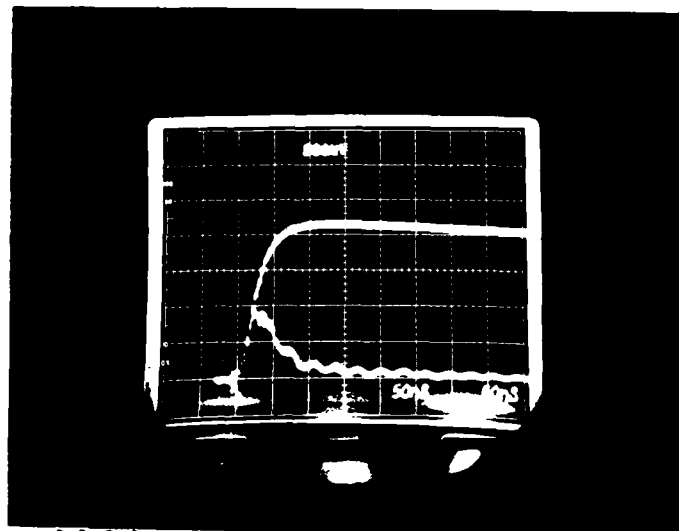
Date	6-10-85
Test Point	87R-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



DATA @ .05V (100V)

Date	6-10-85
Test Point	87-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	

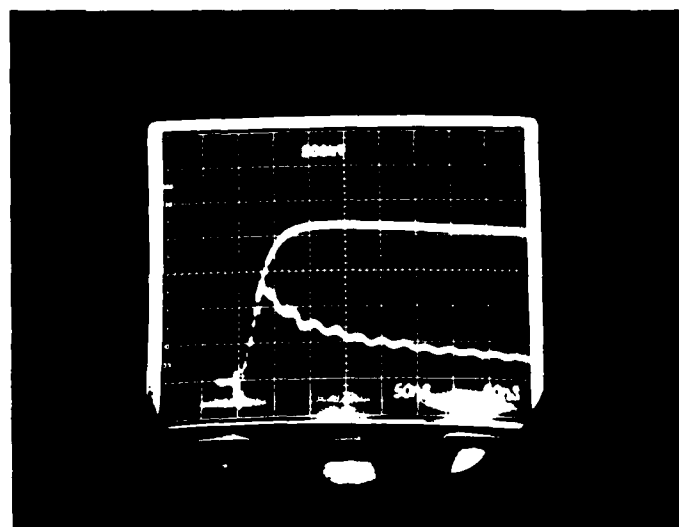
1121



DATA @ .05V (1000V)

Date	6-10-85
Test Point	87R-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	

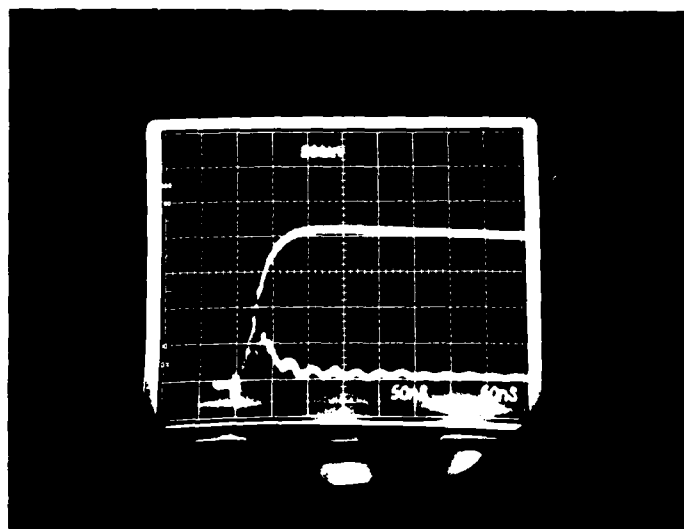
1122



DATA @ .05V (1000V)

Date	6-10-85
Test Point	90-CH-410-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	+4500V
Data Link	
Comments:	1123

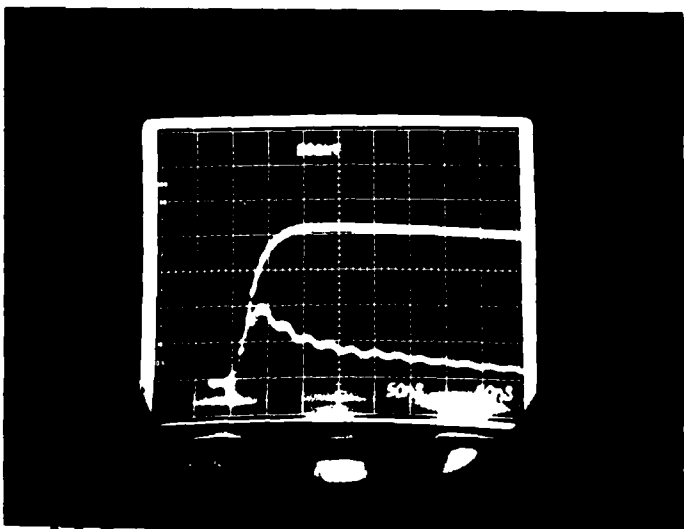
DATA @ .05V (100V)



1123

Date	6-10-85
Test Point	90R-CH-410-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	-4500V
Data Link	
Comments:	1124

DATA @ .05V (100V)

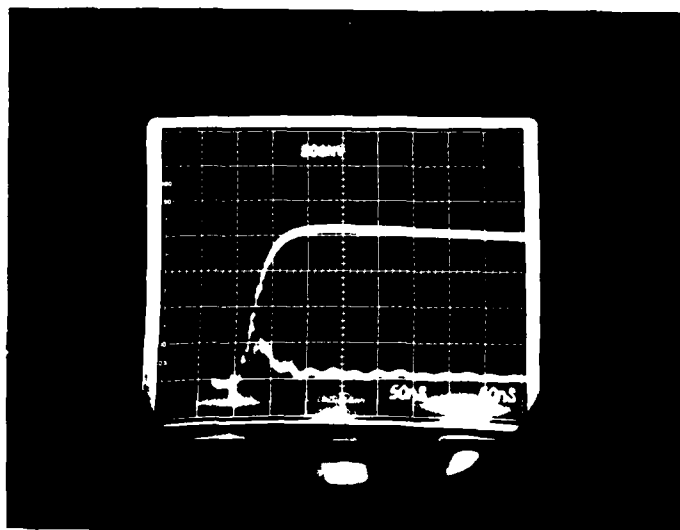


1124

Date	6-10-85
Test Point	90-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	

Comments: 1125

DATA @ .05V(100V)-

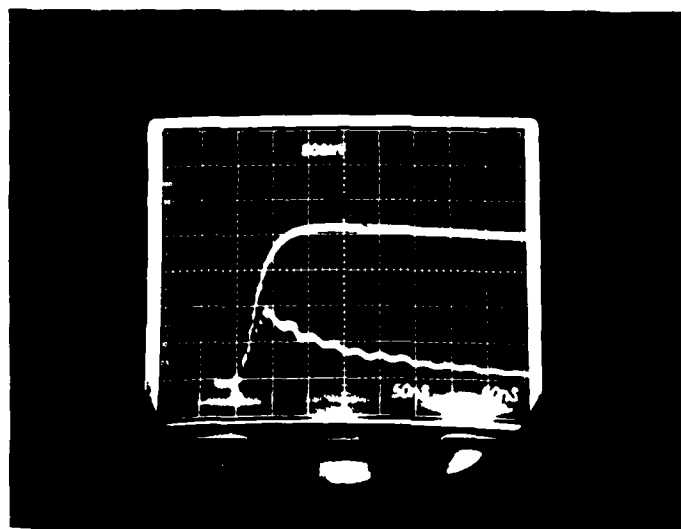


1125

Date	6-10-85
Test Point	90R-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	

Comments: 1126

DATA @ .05V(100V)



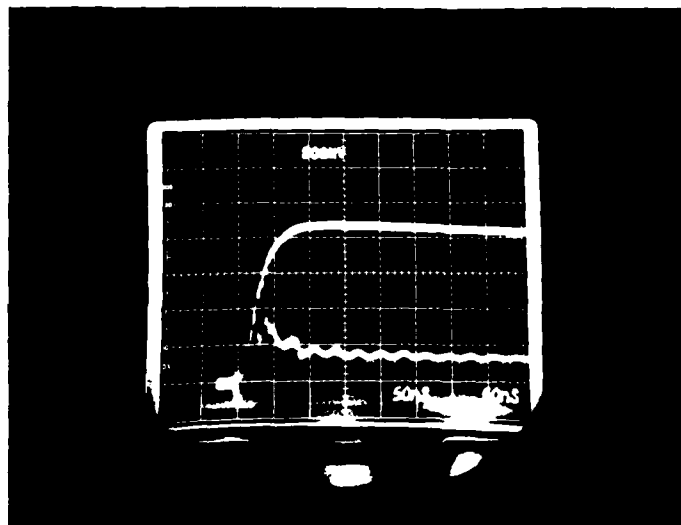
1126

Date 6-10-85  
 Test Point 93-CH-1/10-A  
 Amplification dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V(1000V) mV/div 1  
 Horizontal ns/div 2  
 Vertical ns/div 2  
 Configuration  
 Pulsar Level +4500V  
 Data Link

Comments:

1127

DATA @ .05V(100V)



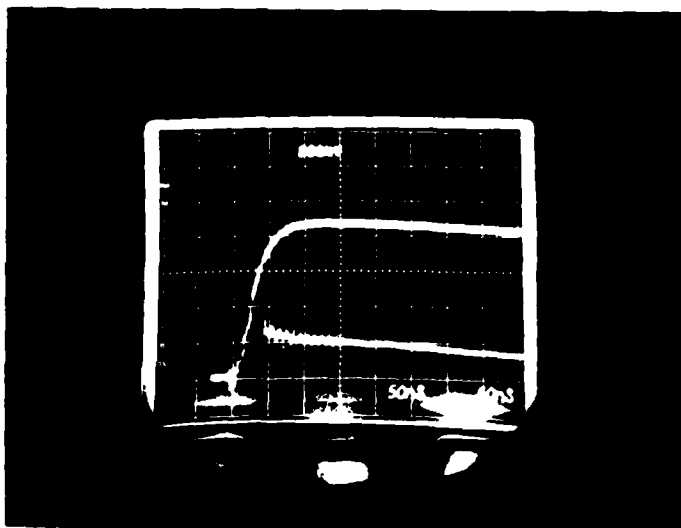
1127

Date 6-10-85  
 Test Point 93R-CH-1/10-A  
 Amplification dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V(1000V) mV/div 1  
 Horizontal ns/div 2  
 Vertical ns/div 2  
 Configuration  
 Pulsar Level -4500V  
 Data Link

Comments:

1128

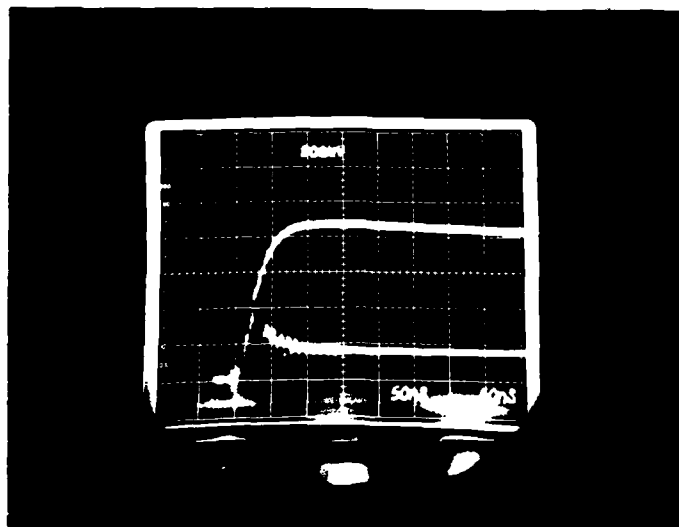
DATA @ .05V(100V)



1128



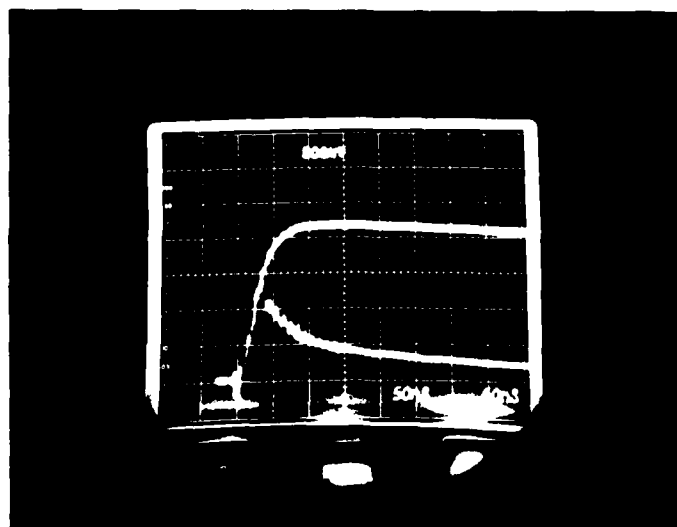
Date	6-10-85
Test Point	93-CH-110-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



1129

DATA @ .05V (100V)

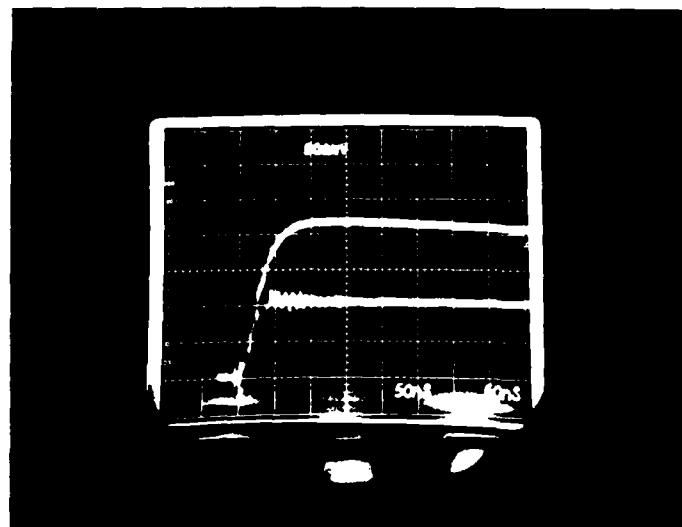
Date	6-10-85
Test Point	93R-CH-110-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



1130

DATA @ .05V (100V).

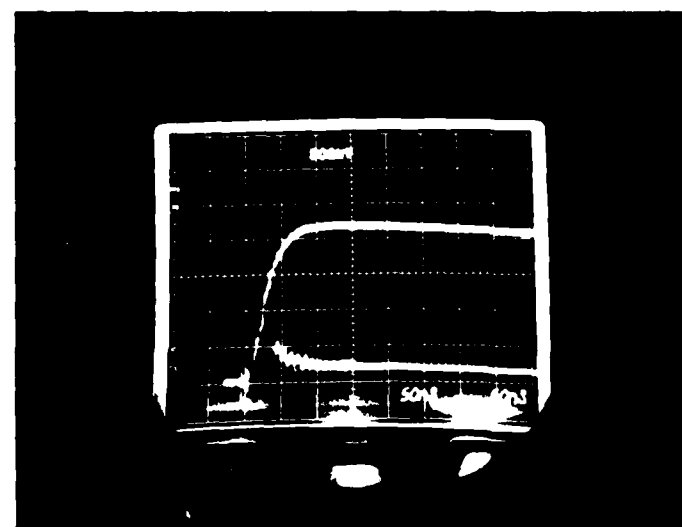
Date	6-10-85
Test Point	99-CH-110-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	+4500V
Data Link	
Comments:	



1131

DATA @ .05V(100V)

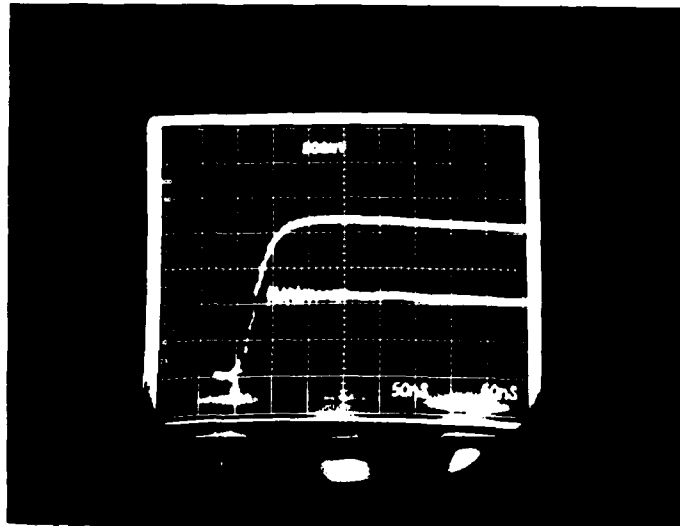
Date	6-10-85
Test Point	99R-CH-110-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	-4500V
Data Link	
Comments:	



1132

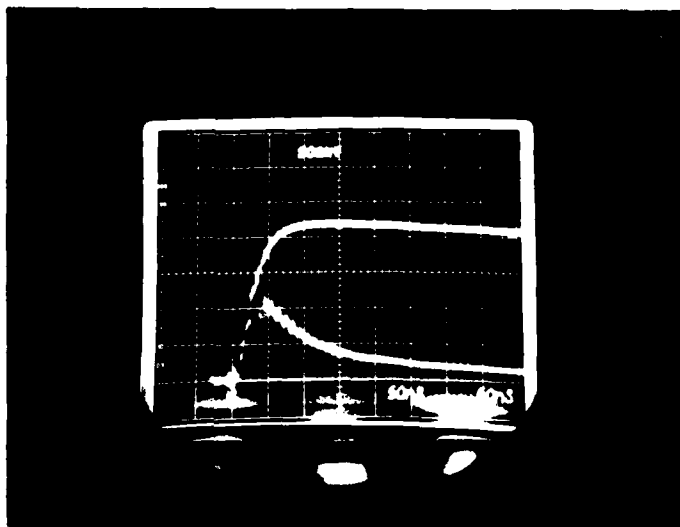
DATA @ .05V(100V)

Date	6-10-85
Test Point	99-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



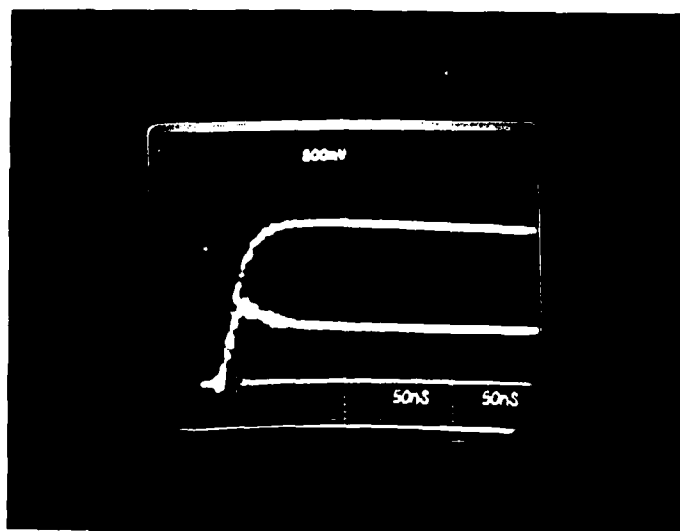
DATA @ .05V (100V)

Date	6-10-85
Test Point	99R-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



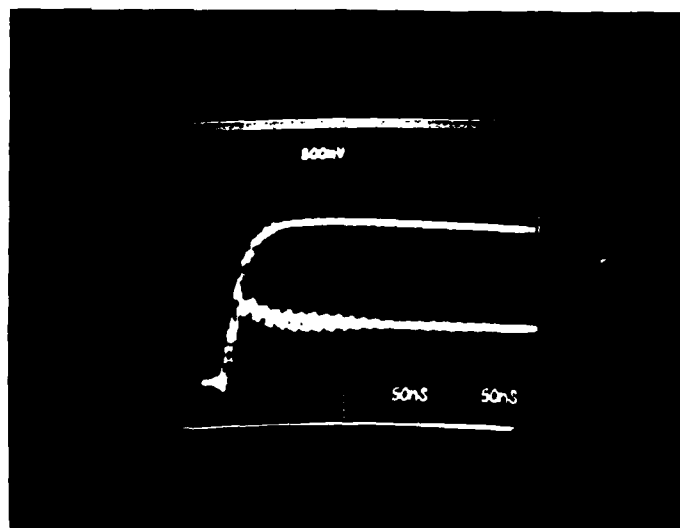
DATA @ .05V (100V)

Date	6-11-85
Test Point	101-CH-1/10-Ø
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	1201



DATA @ .1V(200V)

Date	6-11-85
Test Point	101R-CH-1/10-Ø
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	12

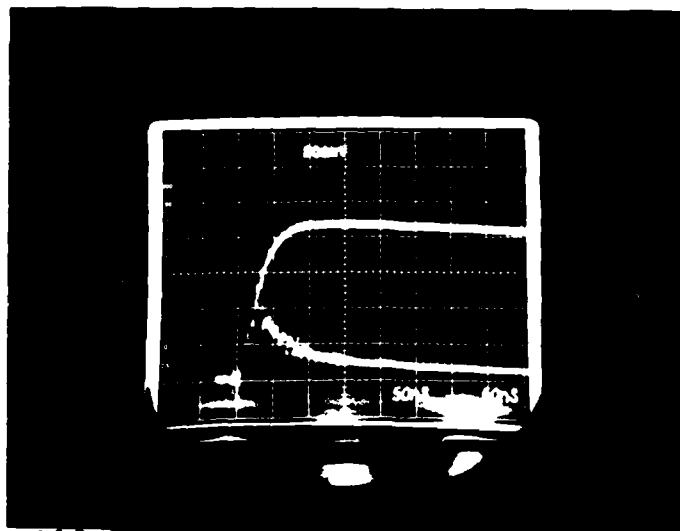


DATA @ .1V(200V)

Date	6-10-85
Test Point	102-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	

1135

DATA @ 105V(100V)

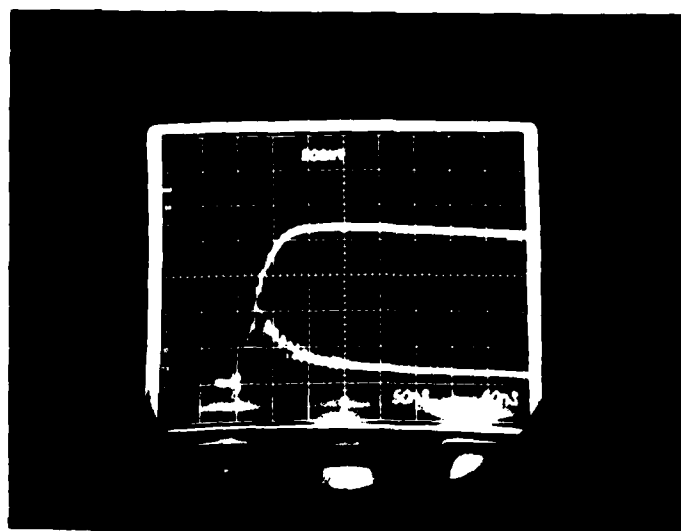


1135

Date	6-10-85
Test Point	102R-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	

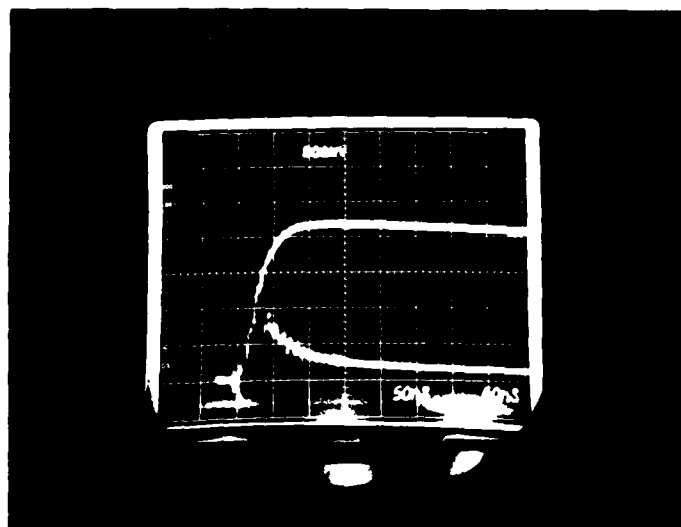
1136

DATA @ 105V(100V)



1136

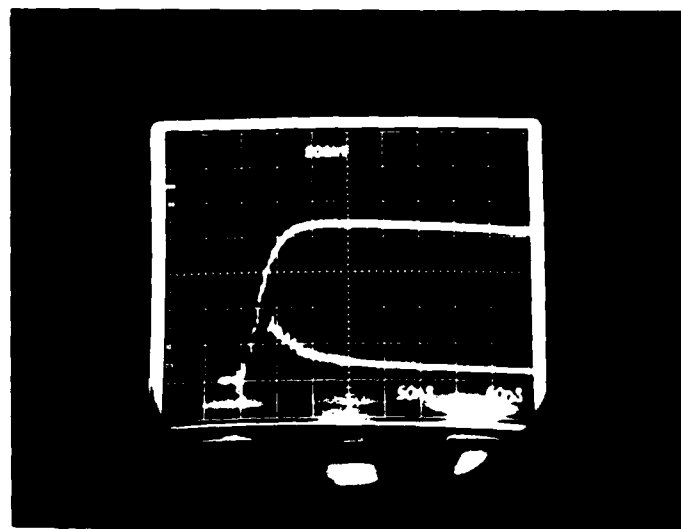
Date	6-10-85
Test Point	102-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



1137

DATA @ .05V(100V)

Date	6-10-85
Test Point	102R-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



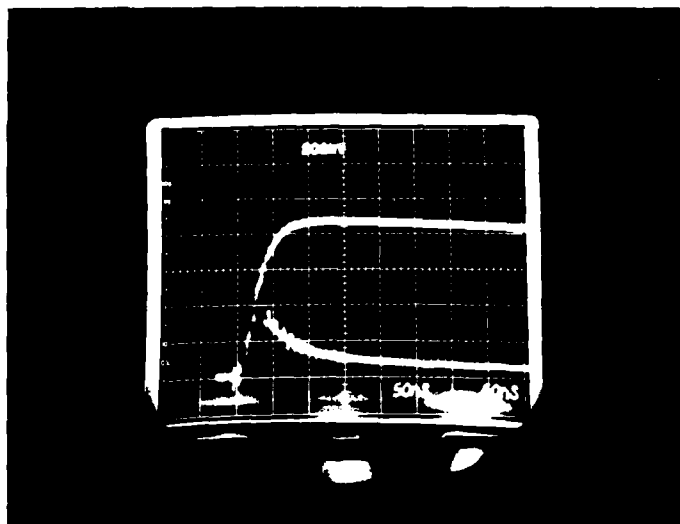
1138

DATA @ .05V(100V)

Date 6-10-85  
 Test Point 102-CH-1/10-C  
 Amplification dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical 5V(1000V) mV/div 1  
 Horizontal ns/div 2  
 Vertical ns/div 2  
 Configuration  
 Pulsar Level +4500V  
 Data Link  
 Comments:

1137

DATA @ 105V(100V)

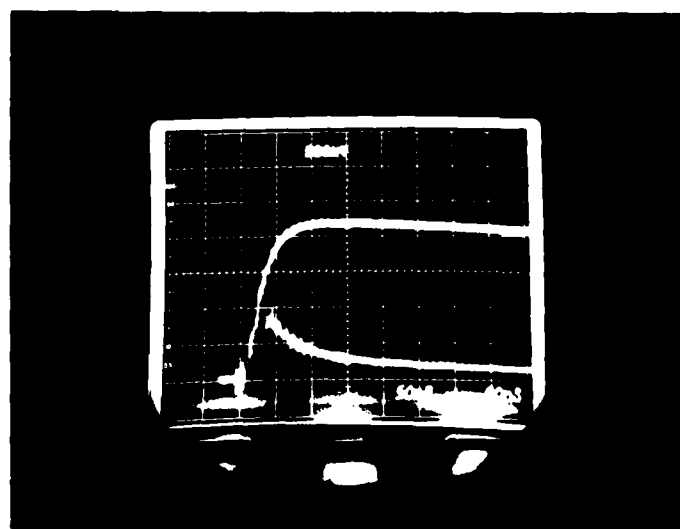


1139

Date 6-10-85  
 Test Point 102R-CH-1/10-C  
 Amplification dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical 5V(1000V) mV/div 1  
 Horizontal ns/div 2  
 Vertical ns/div 2  
 Configuration  
 Pulsar Level -4500V  
 Data Link  
 Comments:

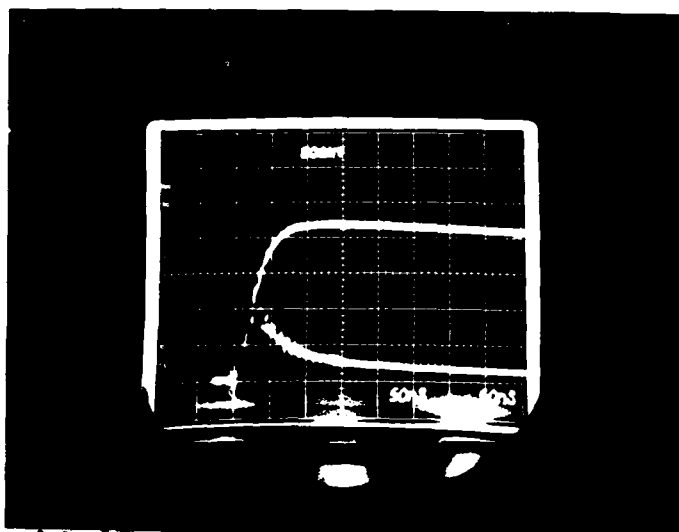
1140

DATA @ 105V(100V)



1140

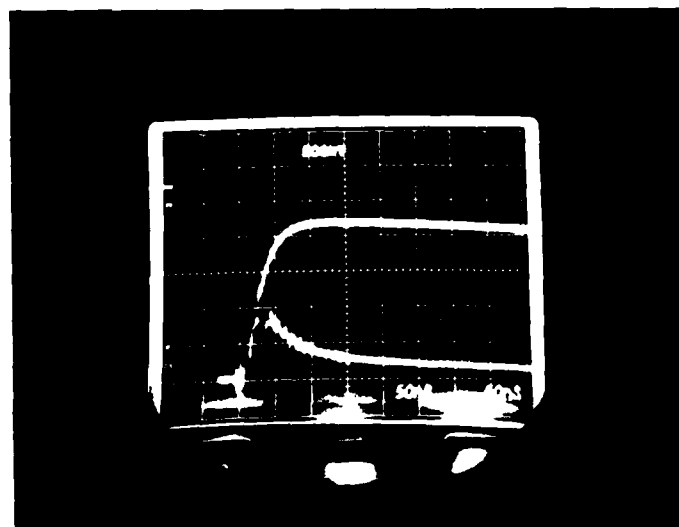
Date 6-10-85  
 Test Point 102-CH-1/10-D  
 Amplification dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V(1000V) mV/div 1  
 Horizontal ns/div 2  
 Vertical ns/div 2  
 Configuration  
 Pulsar Level +4500V  
 Data Link  
 Comments:



1141

.DATA @ .05V(100V)

Date 6-10-85  
 Test Point 102R-CH-1/10-D  
 Amplification dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V(1000V) mV/div 1  
 Horizontal ns/div 2  
 Vertical ns/div 2  
 Configuration  
 Pulsar Level -4500V  
 Data Link  
 Comments:

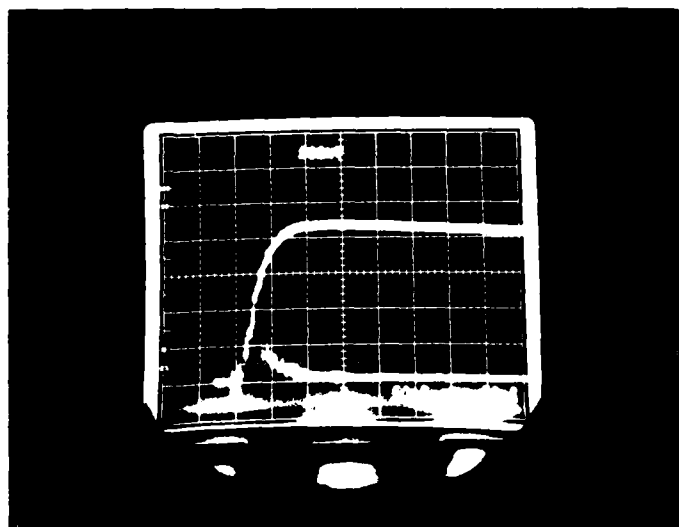


1142

DATA @ .05V(100V)



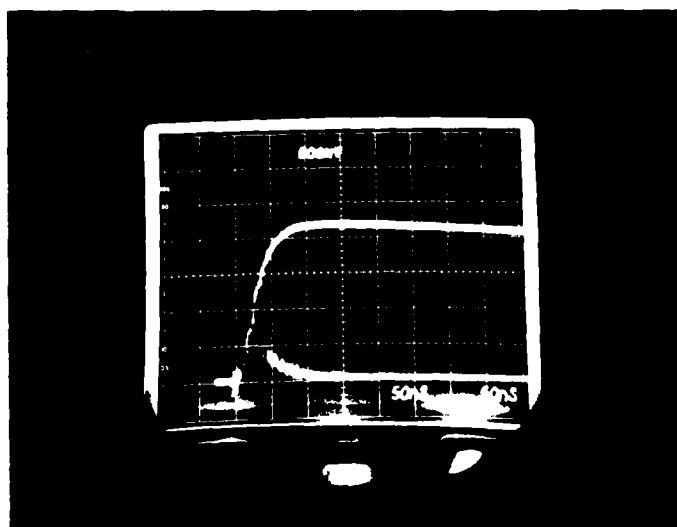
Date	6-10-85		
Test Point	104-CH-1/10-A		
Amplification	dB		
Attenuation	20	dB	
Horizontal	50	ns/div	1
Vertical	.5V(1000V)	mV/div	1
Horizontal		ns/div	2
Vertical		ns/div	2
Configuration			
Pulser Level	+4500V		
Date Link			
Comments:			



1143

DATA @ .05V (100V)

Date	6-10-85		
Test Point	104R-CH-1/10-A		
Amplification	dB		
Attenuation	20	dB	
Horizontal	50	ns/div	1
Vertical	.5V(1000V)	mV/div	1
Horizontal		ns/div	2
Vertical		ns/div	2
Configuration			
Pulser Level	-4500V		
Date Link			
Comments:			



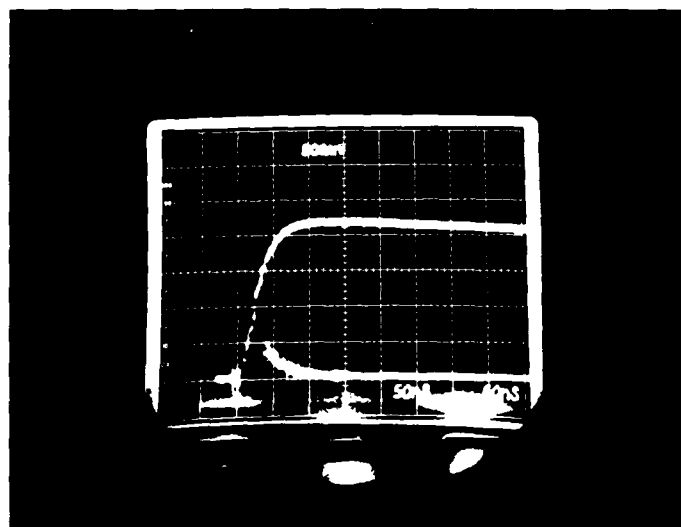
1144

DATA @ .05V (100V)

Date	6-10-85
Test Point	104-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	+4500V
Data Link	
Comments:	

1145

DATA @ .05V (100V)

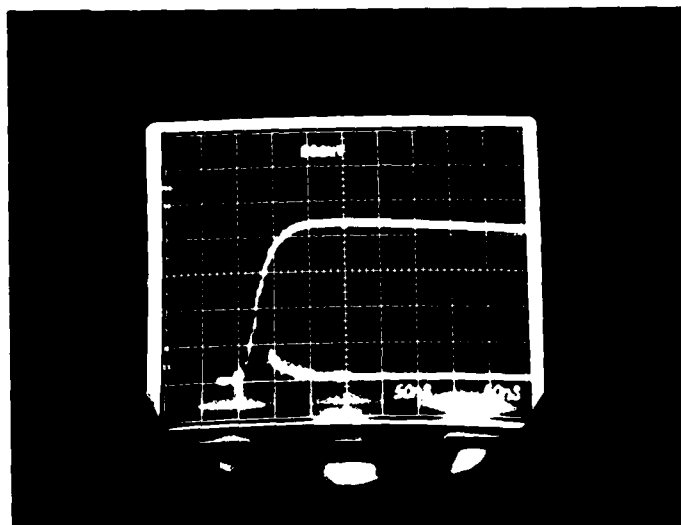


1145

Date	6-10-85
Test Point	104R-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	-4500V
Data Link	
Comments:	

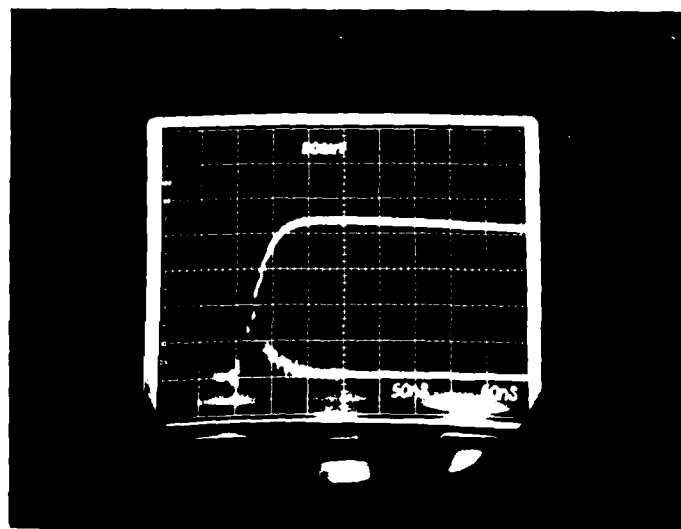
1146

DATA @ .05V (100V)



1146

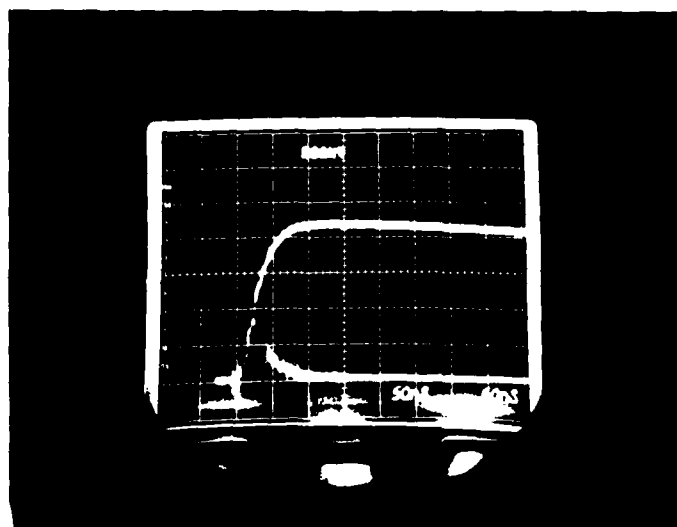
Date 6-10-85  
 Test Point 104-CH-110-C  
 Amplification dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V(1000V) mV/div 1  
 Horizontal ns/div 2  
 Vertical ns/div 2  
 Configuration  
 Pulsar Level +4500V  
 Data Link  
 Comments:



1147

DATA @ .05V(100V)

Date 6-10-85  
 Test Point 104R-CH-110-C  
 Amplification dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V(1000V) mV/div 1  
 Horizontal ns/div 2  
 Vertical ns/div 2  
 Configuration  
 Pulsar Level -4500V  
 Data Link  
 Comments:

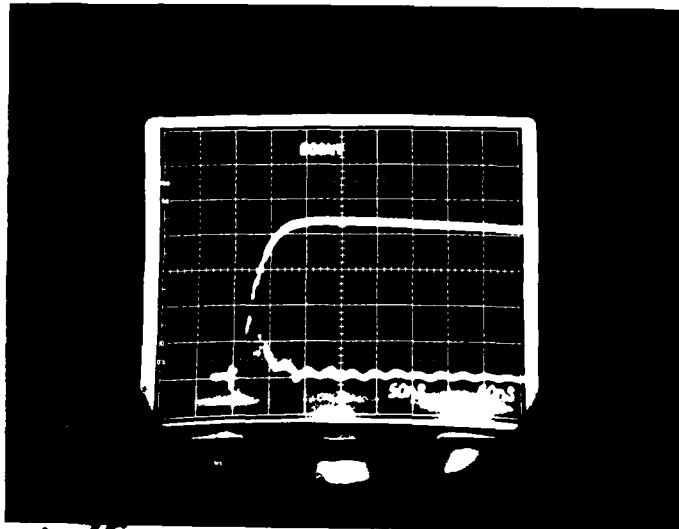


1148

DATA @ .05V(100V)

Date	6-10-85
Test Point	104-CH-1/10-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	

1149

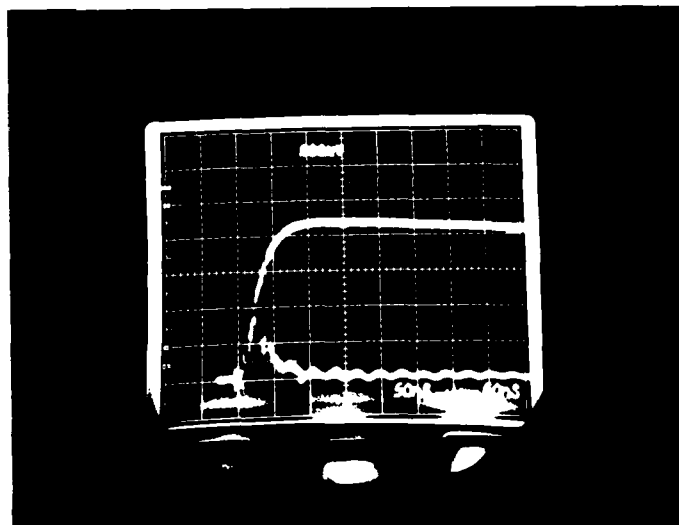


1149

DATA @ .05V (100V)

Date	6-10-85
Test Point	104R-CH-1/10-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	

1150



1150

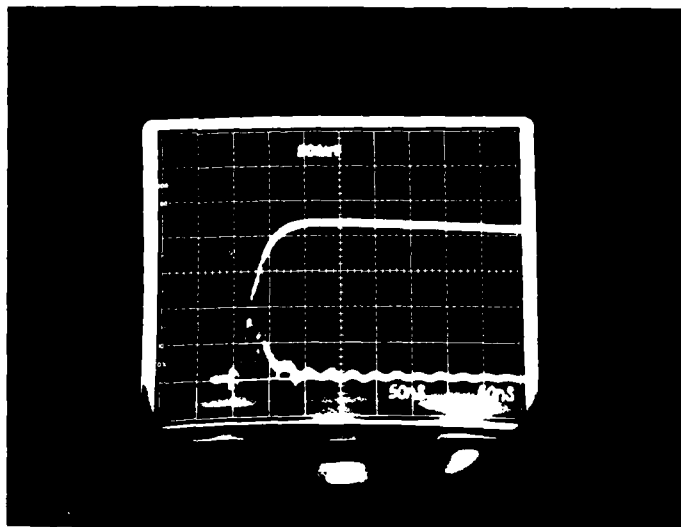
DATA @ .05V (100V)

Date 6-10-85  
 Test Point 104-CH-1/10-E  
 Amplification dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V (1000V) mV/div 1  
 Horizontal ns/div 2  
 Vertical ns/div 2  
 Configuration  
 Pulsar Level +4500V  
 Data Link

Comments:

1151

DATA @ .05V (100V)

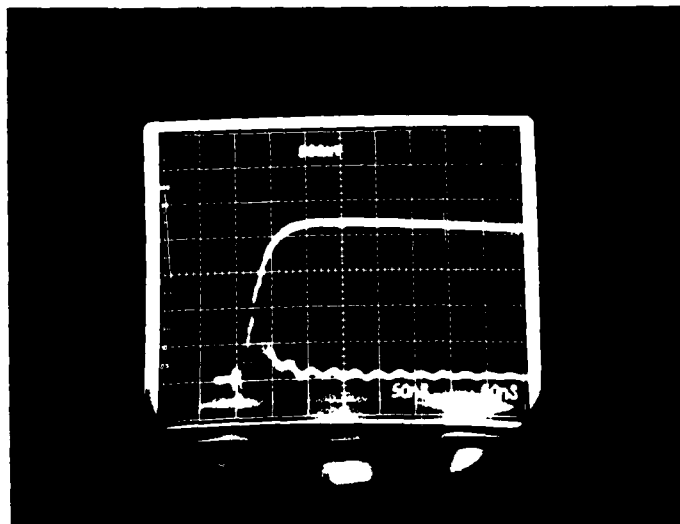


Date 6-10-85  
 Test Point 104R-CH-1/10-E  
 Amplification dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V (1000V) mV/div 1  
 Horizontal ns/div 2  
 Vertical ns/div 2  
 Configuration  
 Pulsar Level -4500V  
 Data Link

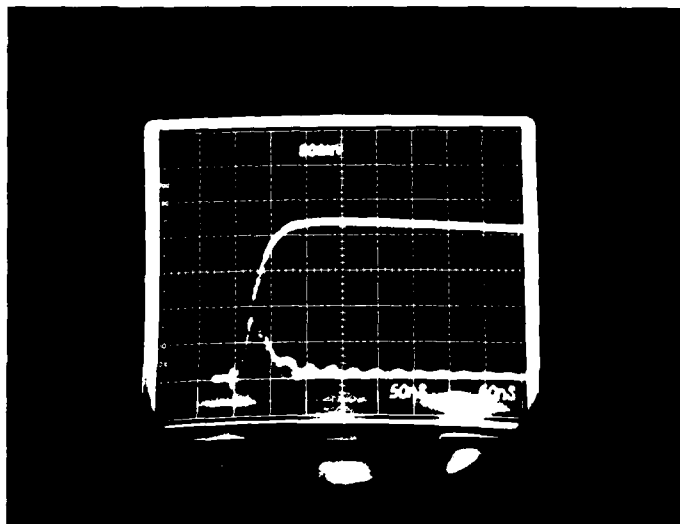
Comments:

1152

DATA @ .05V (100V)

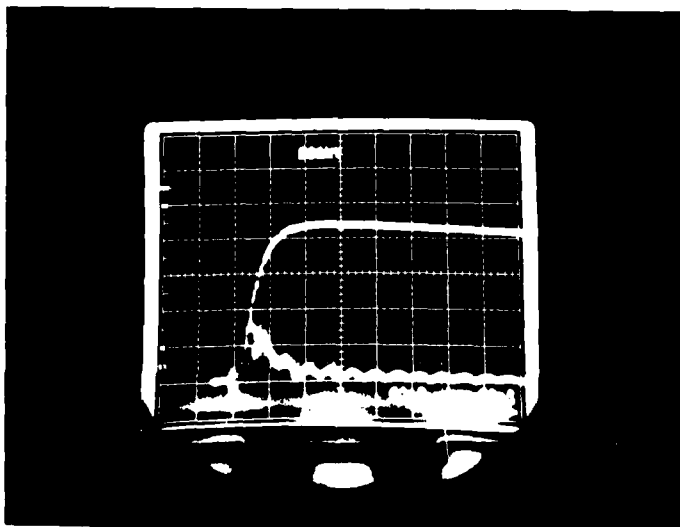


Date	6-10-85
Test Point	107-LH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



DATA @ .05V(100V)

Date	6-10-85
Test Point	107R-LH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



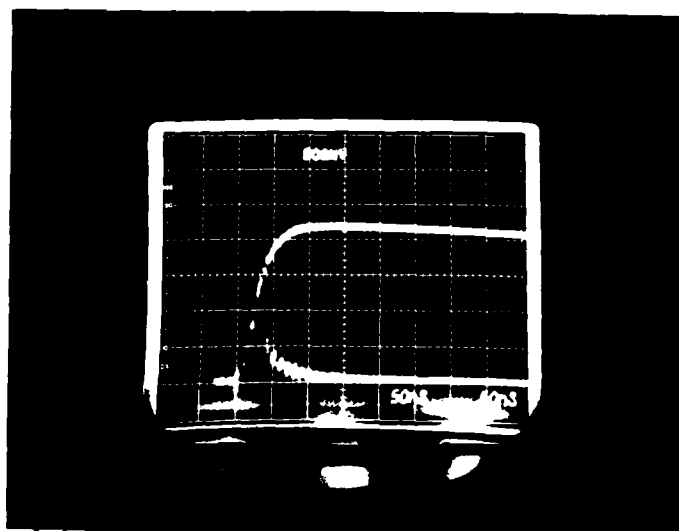
DATA @ .05V(100V)

Date	6-10-85
Test Point	107-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Date Link	

Comments:

1155

DATA @ 105V(100V)



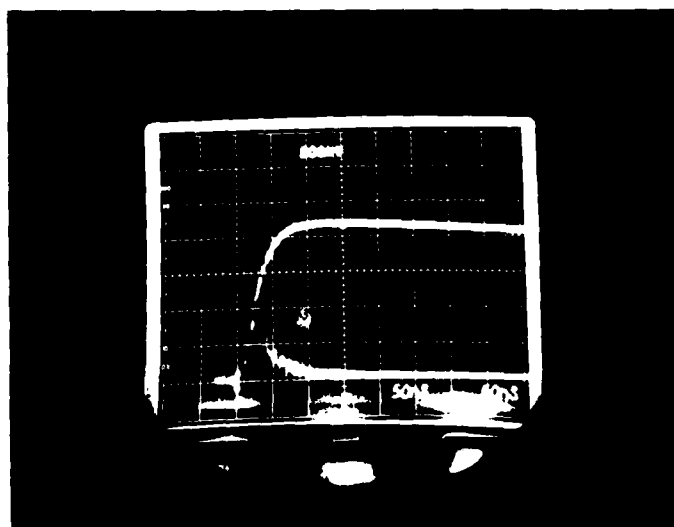
1155

Date	6-10-85
Test Point	107R-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Date Link	

Comments:

1156

DATA @ 105V(100V)



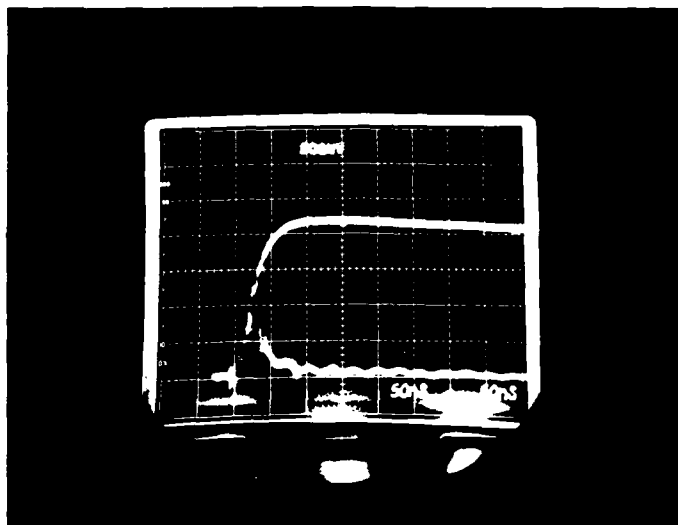
1156

Date	6-10-85
Test Point	107-CH-110-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	+4500V
Data Link	

Comments:

1157

DATA @ 105V (100V)



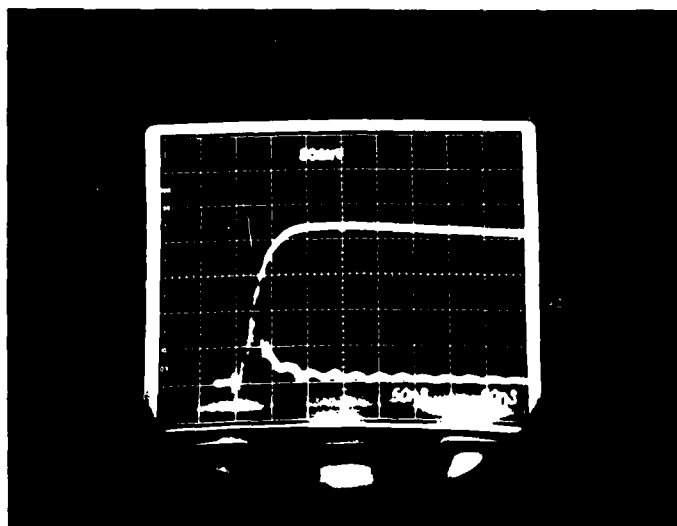
1157

Date	6-10-85
Test Point	107R-CH-110-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	-4500V
Data Link	

Comments:

1158

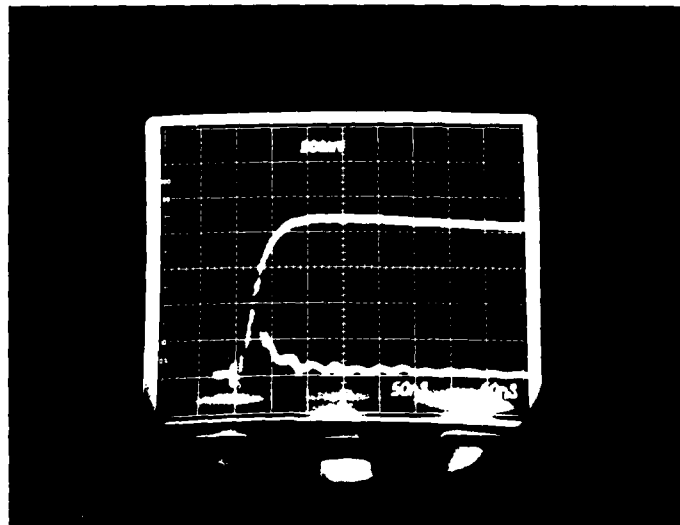
DATA @ 105V (100V)



1158

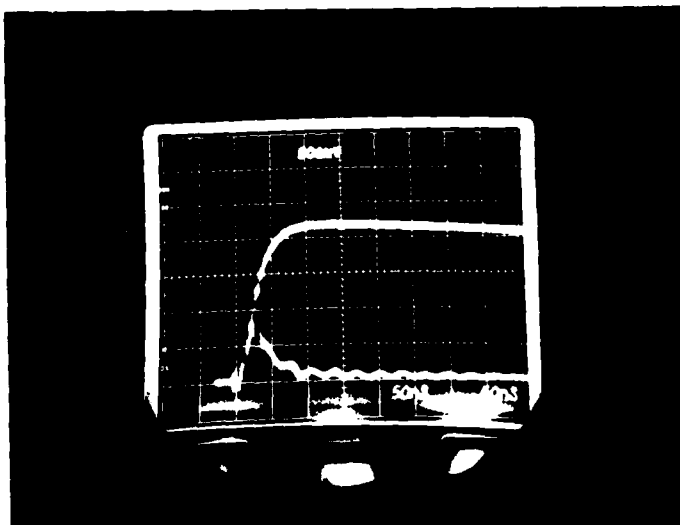


Date	6-10-85
Test Point	107-CH-1/10-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	1.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	1159



DATA @ 1.05V (100V)

Date	6-10-85
Test Point	107R-CH-1/10-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	1.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	1160

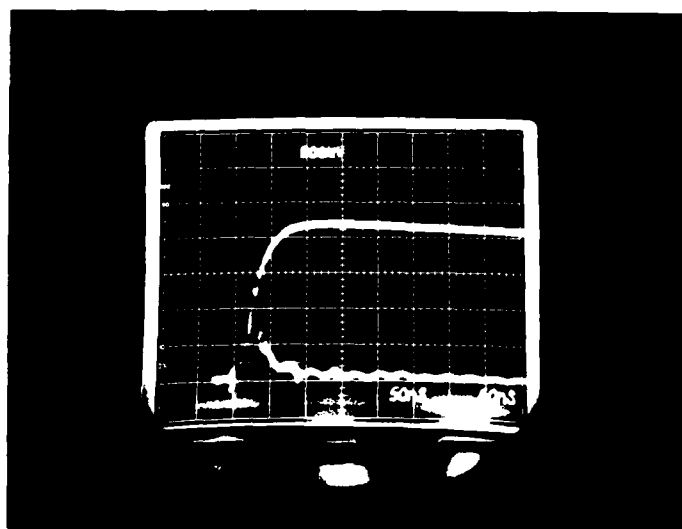


DATA @ 1.05V (100V)

Date	6-10-85
Test Point	107-CH-1/10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	

1161

DATA @ .05V(100V)

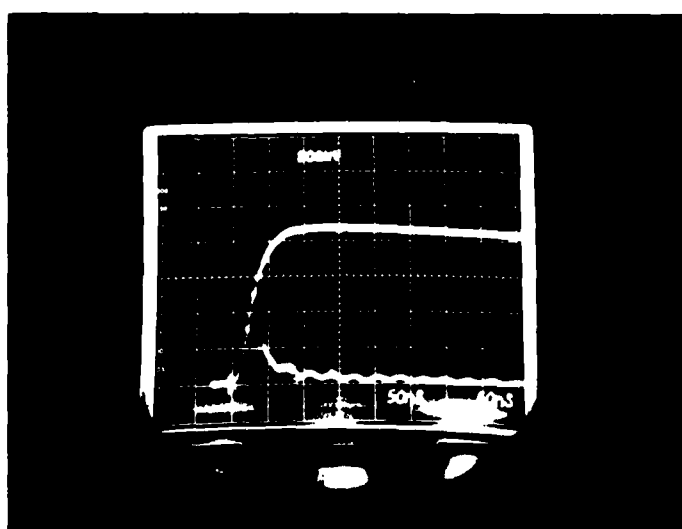


1161

Date	6-10-85
Test Point	107R-CH-1/10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	

1162

DATA @ .05V(100V)



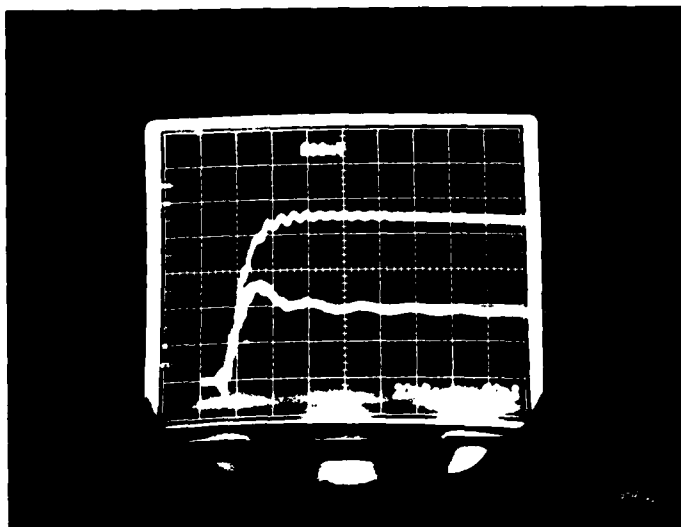
1162

Date	6-11-85		
Test Point	109-CH-1/10-Ø		
Amplification	dB		
Attenuation	20	dB	
Horizontal	50	ns/div	1
Vertical	.5V(1000V)	mV/div	1
Horizontal	ns/div	2	
Vertical	ns/div	2	
Configuration			
Pulser Level	+4500V		
Data Link			

Comments: 1217

"COMMON" LEAD

DATA @ .1V(200V)



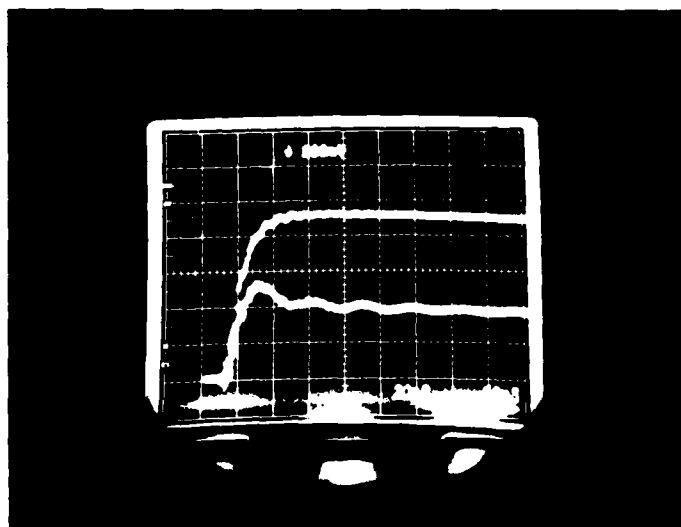
1217

Date	6-11-85		
Test Point	109R-CH-1/10-Ø		
Amplification	dB		
Attenuation	20	dB	
Horizontal	50	ns/div	1
Vertical	.5V(1000V)	mV/div	1
Horizontal	ns/div	2	
Vertical	ns/div	2	
Configuration			
Pulser Level	-4500V		
Data Link			

Comments: 1218

COMMON LEAD

DATA @ .1(200V)



1218

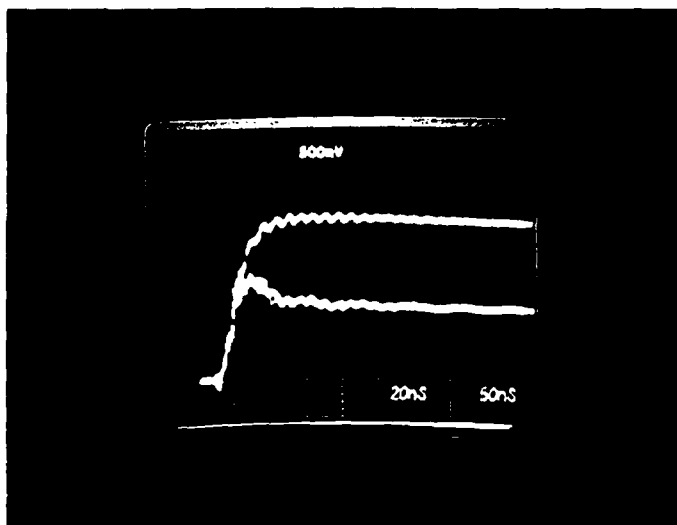
Date 6-11-85  
 Test Point 109-CH-1/10- $\phi$   
 Amplification dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V(1000V) mV/div 1  
 Horizontal ns/div 2  
 Vertical ns/div 2  
 Configuration  
 Pulse Level +4500V  
 Data Link

Comments:

~~"COMMON" LEAD~~

"HOT"

DATA @ .1 (200V)



1212

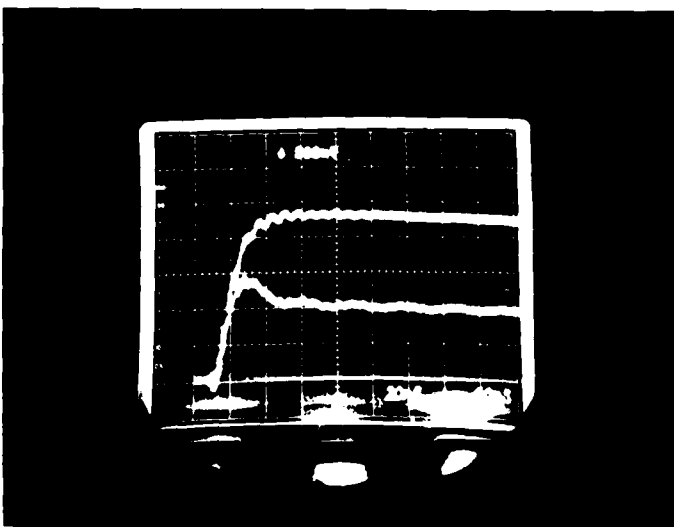
Date 6-11-85  
 Test Point 109R-CH-1/10- $\phi$   
 Amplification dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V(1000V) mV/div 1  
 Horizontal ns/div 2  
 Vertical ns/div 2  
 Configuration  
 Pulse Level -4500V  
 Data Link

Comments:

~~"COMMON" LEAD~~

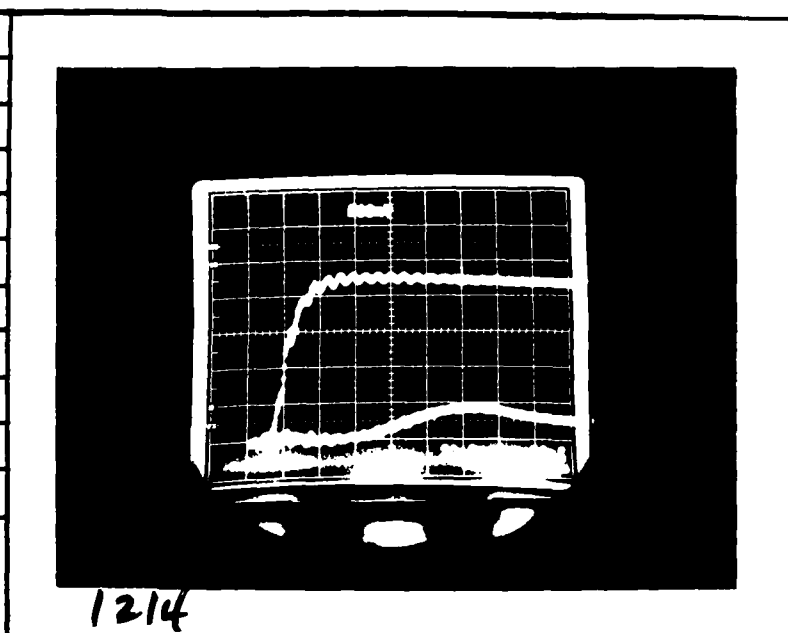
HOT

DATA @ .1 (200V)

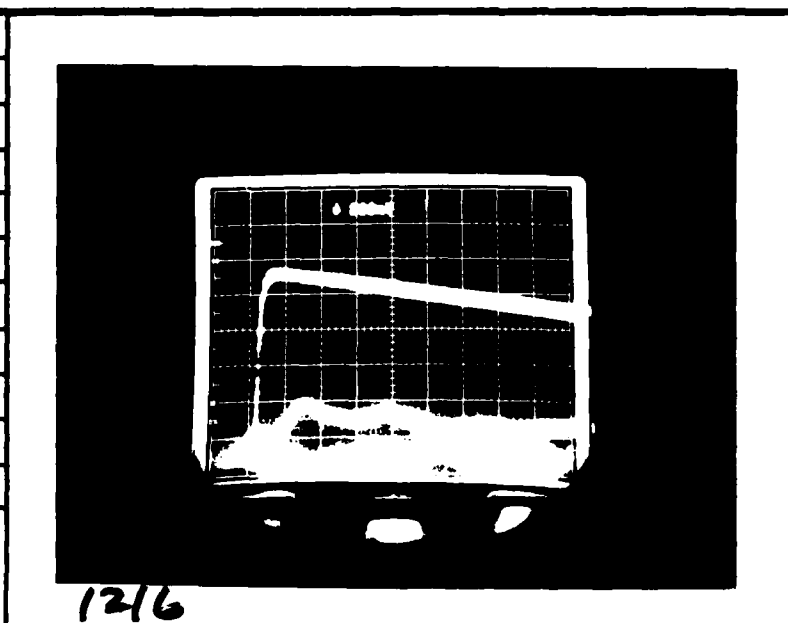


1213

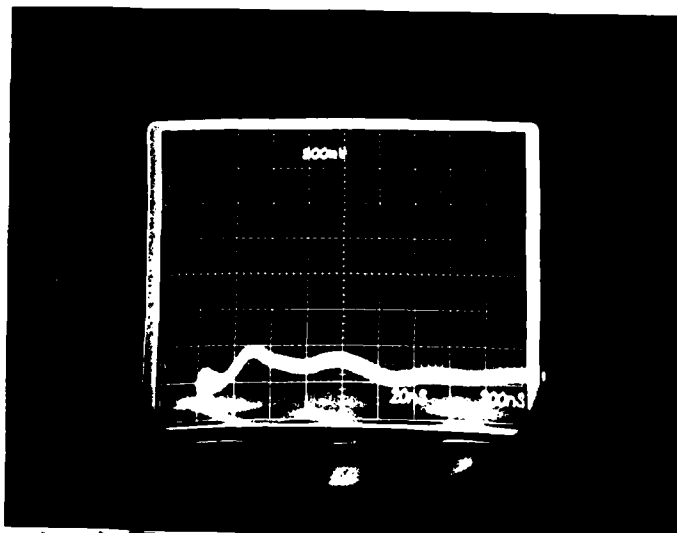
Date	6-11-85
Test Point	110-CH-1/10-Ø
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Date Link	
Comments:	1214
HOT LEAD	
DATA @ .5V(1000V)	



Date	6-11-85
Test Point	110R-CH-1/10-Ø
Amplification	dB
Attenuation	20 dB
Horizontal	20 50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Date Link	
Comments:	1216
"HOT LEAD"	
DATA @ .5V(1000V)	



Date	6-11-85
Test Point	110-CH-1/10-Φ
Amplification	dB
Attenuation	20 dB
Horizontal	200 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	4500V
Data Link	
Comments:	

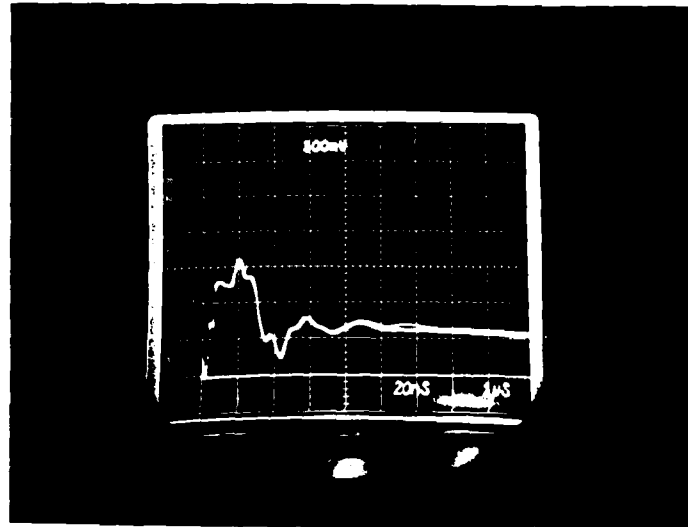


Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date	6-11-85
Test Point	110-CH - 110-0
Amplification	dB
Attenuation	20 dB
Horizontal	1 $\mu$ S ns/div 1
Vertical	.1V (200V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	

Comments:

"COMMON" LEAD



1220

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	

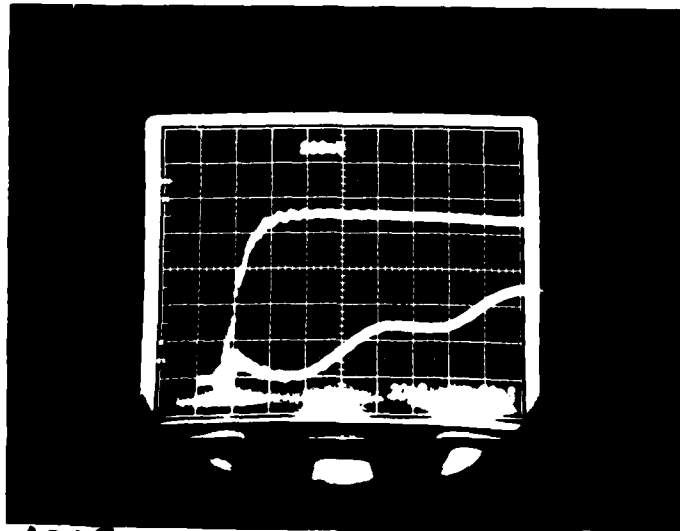
Comments:

Date 6-11-85  
 Test Point 110-CH-1/10- $\phi$   
 Amplification dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V (1000V) mV/div 1  
 Horizontal ns/div 2  
 Vertical ns/div 2  
 Configuration  
 Pulsar Level +4500V  
 Data Link

Comments: 1219

"COMMON" LEADS

DATA @ .1V (200V)

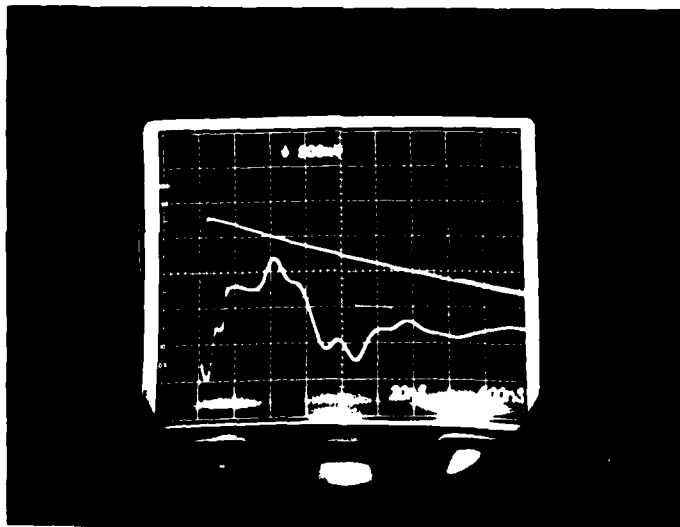


Date 6-11-85  
 Test Point 110R-CH-1/10- $\phi$   
 Amplification dB  
 Attenuation 20 dB  
 Horizontal 50 ns/div 1  
 Vertical .5V (1000V) mV/div 1  
 Horizontal ns/div 2  
 Vertical ns/div 2  
 Configuration  
 Pulsar Level -4500V  
 Data Link

Comments: 1221

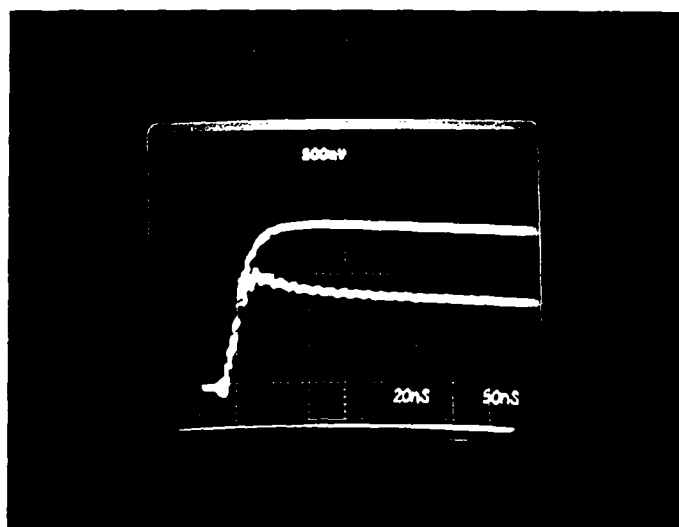
"COMMONS" LEADS

DATA @ .1V (200V)





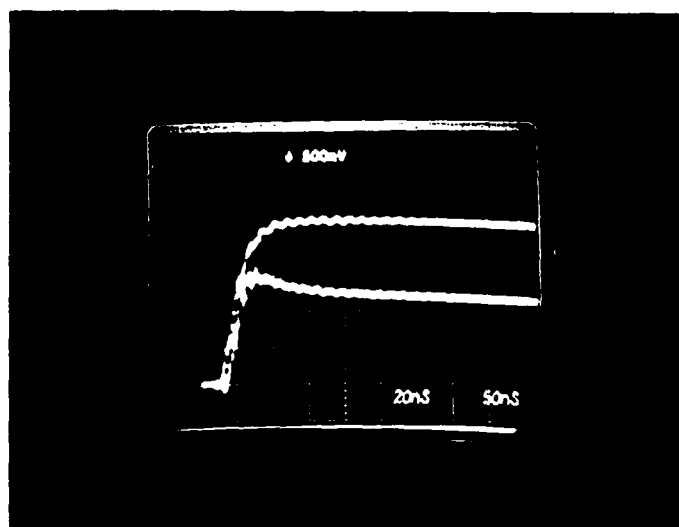
Date	6-11-85
Test Point	111-CH-V10-φ
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



DATA @ .1V (200V)

"HOT" TEST COMMON TO GND -  
NO PROTECTION WITH GND TO GND -

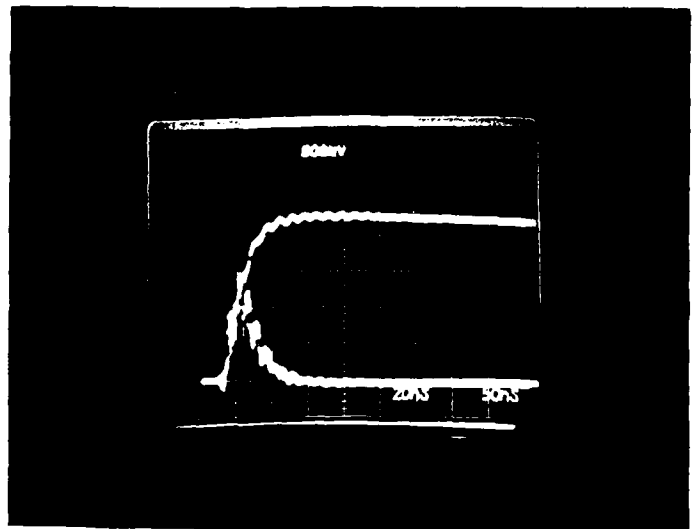
Date	6-11-85
Test Point	111R-CH-V10-φ
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	



DATA @ .1V (200V)

HOT TEST - COMMON TO GND

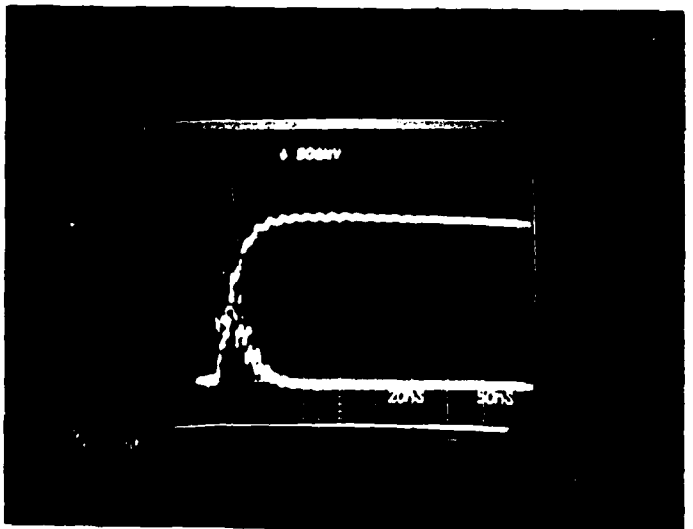
Date	6-11-85		
Test Point	112-CH-1/10- <del>2A</del>		
Amplification	dB		
Attenuation	20 dB		
Horizontal	50	ns/div	1
Vertical	.5V(1000V)	mV/div	1
Horizontal		ns/div	2
Vertical		ns/div	2
Configuration			
Pulser Level	+4500 V		
Date Link			
Comments:	1211		



DATA .05(100V)

"HOT" LEAD - NEUTRAL TO GND

Date	112R-CH-1/10- <del>2A</del>		
Test Point			
Amplification	dB		
Attenuation	20 dB		
Horizontal	50	ns/div	1
Vertical	.5V(1000V)	mV/div	1
Horizontal		ns/div	2
Vertical		ns/div	2
Configuration			
Pulser Level	-4500 V		
Date Link			
Comments:	1211		



DATA .05

"HOT" LEAD - NEUTRAL TO GND

END